The

# CHEMIST AND DRUGGIST

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

No. 2834. OL. CXX.

JUNE 2, 1934

Annual Subscription (with Diary) 20/-. Single Copies 9d.

# EXTRACTS

TINCTURES

 RESINOIDS OLEO-RESINS · MEDICINAL RESINS

English

Lavender

Camomile

From plants grown on our own farms

Cultivators

Belladonna and

Henbane

HYOSCYAMUS NIGER

LTD

WILLIAM RANSOM

Manufacturing Chemists NEAR LONDON HITCHIN

Index to Advertisers, pp. 5 4: 6.



# Help to Maintain Price Profit Stability

With PARKE-DAVIS SHAVING CREAM

SUPPORT the "chemist's shaving cream." None but a pharmacist may sell this high-class product. Moreover, it has a fixed protected price (1s. 6d.) and it allows a profit that does far more than merely cover pharmacy overhead expenses.

Pharmacists all over the country are buying Parke-Davis Shaving Cream on the special terms available and selling it easily and quickly.

It is a typical Parke-Davis product — of supreme quality, truly profitable, effective and designed to give perfect satisfaction both to the pharmacist and to his customer.

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and to increase your profits, feature the new

ream Rayon

surface . . . the 'de luxe' paper for BETTER PRINTS AT BETTER PRICES

Made in England by

ILFORD LIMITED - ILFORD - LONDON

# What profit do BOB MARTIN'S Condition Powders make for you each week?

ALTHOUGH every retail pharmacist with whom we are in touch reports that he is very satisfied—even delighted—with his sales of Bob Martin's Condition Powders, we wish respectfully to suggest that a great many pharmacists have no cause to be satisfied with their sales. The difference between the profits made at individual pharmacies is rather startling.

There is a large housing estate to the south-west of London which has two pharmacies competing for its business. At one of these pharmacies the average weekly sales of Bob Martin's Condition Powders are 1½ DOZEN and the report is "very satisfied with the size and

steadiness of his sales." The other pharmacy averages SIX DOZEN a week, and does a proportionately big business in other Bob Martin lines.

Every third person who passes your window is a buyer of Bob Martin's Condition Powders. Where they buy their dog medicines is a matter for you to decide. By occasional Bob Martin displays you can make them regard your pharmacy as their depot for dog medicines, and they will bring their custom to you.

Helpful advice and prompt service is offered by the Display Department, Bob Martin Ltd., Southport.

FOREIGN BUYERS

please note!

The Bob Martin preparations sold in Great Britain are packed for the home market only, and the packets do not comply with Customs regulations for foreign countries. Please address any enquiries regarding export to Bob Martin (Export) Ltd., Southport, England.





# A NEW BIG SELLER

# for every progressive Pharmacist

A NEW habit is spreading among dog owners. To the owner of a dog the new habit means a clean, safe dog; to you it means new profit.

Many of your customers admit that their dogs are not as clean as they would like them to be. In the past, two factors have prevented a regular weekly wash; time and the damage which soap does to a dog's coat.

NOW comes this soapless Shampoo which makes washing easier and quicker and preserves the natural "bloom" of the dog's coat.

Every lady who comes to your pharmacy for Bob Martin's Condition Powders will be grateful to you for introducing the new Shampoo to her.

SEIZE THIS OPPORTUNITY TO BE THE FIRST TO DISPLAY A LINE WHICH WILL SOON BE ONE OF YOUR BIGGEST SELLERS.

Helpful advice and prompt service is offered by the Display Department, Bob Martin Ltd., Southport.

### SOME TECHNICAL DATA

concerning Bob Martin's SHAMPOO (for preserving Bloom)

by F. J. FLOWERDEW, B.Sc. (Hons.), A.I.C., M.P.S., Chief Chemist, Bob Martin Research Laboratories.

Soap has been known and used for washing purposes from ancient times (certainly since the third century B.C.) and despite its shortcoming; and disadvantages no better product has been obtainable until very recently. As the result of extensive scientific research on the detergent action of soap, a new chemical product—sodium dodecyl sulphonate—has been developed which has many advantages over soap as a cleansing agent. The BOB MARTIN SHAMPOO FOR PRESERVING BLOOM is composed of this compound and its homologues in combination with an acid antiseptic.

The BOB MARTIN SHAMPOO FOR PRESERVING BLOOM contains no soap, but its cleansing action is superior as:—

- I. It has greater wetting out power.
- 2. Is a better emulsifying agent.
- 3. Has an approximately equal absorption effect.

Its actual detergent power is approximately four times that of an ordinary soap shampoo, and whilst much more powerful as a cleansing agent, it is much less injutious to the hair. Soap on solution in water undergoes hydrolysis with production of free alkali which has a very detrimental effect on the hairy ceat of a dog, and which causes the coat after drying to be left without that "sheen" which is so much appreciated by dog owners.

Owing to the injurious action of alkali, it is often recommended that dogs should not be washed with soap too frequently, but the BOB MARTIN SHAMPOO FOR PRESERVING BLOOM can be used as frequently as desired without any harmful effect. The BOB MARTIN SHAMPOO FOR PRESERVING BLOOM is slightly acid in reaction, and because the coat is left in a more natural state, a fine lustrous bloom is obtained which it is impossible to get with soap.

# St <u>Sells</u> because it <u>Clings!</u>

A wet white that "stays put" doesn't stay long on your shelves!

# That's why "NINONA" sells



"NINONA" Wet White is scientifically blended—it cannot rub off but is easily removed. It is harmless to the most delicate skin, is simple to apply and sells at a popular price. Leading actresses have expressed their appreciation of "NINONA" Wet White . . . discriminating women are using it. Keep a supply in stock.

"NINONA" Wet White is available in four shades: Natural, Rachel, White and Suntan. Retail Price.....

2/6

Wholesale Price 22/6 per dozen bottles

Obtainable from all Wholesalers or direct from the Proprietors' Depot:

BUTLER & CRISPE, 80-84, Clerkenwell Road, London, E.C.1.

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AN EVER-WIDENING CI



The fact that the medical and dental protessions regularly use this new and unique antiseptic in their own surgeries as well as recommend it to their patients, is a sure indication of its worth. Skiltul propaganda steadily maintained means definite enquiries for

### THE ANTISEPTIC

It merits your attention and recommendation because it is absolutely safe — definitely kills pain — stops swellings and quickly subdues inflammation. There is a good margin of profit and you can obtain direct or from your usual wholesaler.

Packed in two sizes, 10½d. or 1/6d.

IF YOU WOULD LIKE A FULL SIZE FREE SAMPLE AND SOME INTERESTING LITERATURE SEND A POST CARD TO

HOUGH, HOSEASON & Co. Ltd.

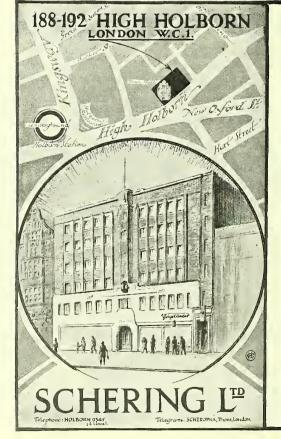
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MANCHESTER 3

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## **ANNOUNCEMENT**

A new price list of Medicinal Preparations has just been posted to every retail pharmacist in the United Kingdom together with an explanatory letter.

It is desired to emphasise that as from June 1st, 1934, certain prices have been advanced and a new flat rate system of discounts has been put into operation. On some packings, the retail pharmacists' profit will be smaller, on others, larger. Every effort has been made, however, to introduce the new system with the minimum of inconvenience.

Medicinal Preparations. Chemicals. Voigtländer Cameras

# DUSH

# VANILLIN

"BUSH" 100°/0

MADE FROM
FINEST
CLOVE OIL

Particulars and prices on application

Manufactured by:

W. J. BUSH & CO. LIMITED

Factories and branches at Mitcham, Widnes, Grasse, Messina, New York, Montreal, Brisbane, Melbourne, Sydney, Johannesburg

ASH GROVE
HACKNEY LONDON E.8
Telephone Nos.
CLISSOLD - { 0.461-5

THE HOUSE FOR

# DRUGGISTS' SUNDRIES

SURGICAL SUNDRIES HOT WATER BOTTLES B.P.C. DRESSINGS TOILET BRUSHWARE



MARK

SPECIAL ALL GLASS
SPRAYS. R.J.R. SERIES
LETTERED DELF JARS
NOVOLLA DELFETTE JARS
ELASTIC HOSIERY

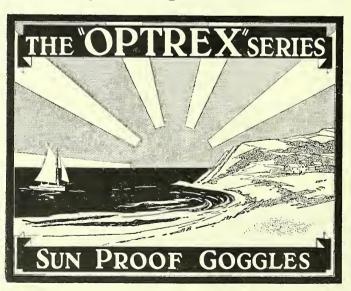
BRITTON, MALCOLM & WAYMARK, LTD.
38 SOUTHWARK BRIDGE ROAD,
LONDON, S.E. 1

Telephone: Waterloo 1442 (2 lines)

Near Southwark Bridge, South Side of River.

Telegrams: "Clinbritic, Boroh, London."

### A Ready Selling Summer Line! SUN PROOF GOGGLES



Our stocks for the season are now complete and comprise imitation shell in hockey end and curl side with different tint glasses, also better kinds in gold-filled imitation shell covered frames with Crookes' glasses, etc. etc., to sell from 1/- to 7/6 pair.

Samples and prices on application.

A HANDSOME STRUTTED BACK SHOWCARD IN THREE NON-FADING COLOURS SUPPLIED FREE WITH EACH HALF-DOZEN GOGGLES ORDERED.

JOHN BAIRD & SONS, Wholesale & Manufacturing Opticians,

Telephone & Extensions: CENTRAL, 541
Telegrams & Cables: SPECTACLES, GLASGOW (A.B.C. CODE)

70 MITCHELL STREET,

ESTABLISHED 1889 GLASGOW, C.1

# COME TO THE HAIRDRESSING FAIR!

**SEPT. 25 — OCT. 4** 

The Hairdressing Fair, held in the magnificent Empire Hall at Olympia, is without question the most lavish display of perfumery, beauty preparations, fancy and toilet goods held anywhere under one roof.

This year the Hairdressing Fair is going to be an even bigger and brighter exhibition than has ever been held before.

Everything of interest to both the chemist and the hairdresser will be seen on the hundreds of exhibitors stands. All the leading manufacturers of perfumery, fancy and toilet goods will be there meeting their customers, and displaying their very latest lines.

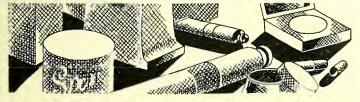
As a manufacturer you should make sure of booking a stand at this Exhibition. Large orders for the autumn and for Christmas are regularly placed.

As a retailer it is an opportunity you cannot repeat of seeing for yourself the very latest ideas in everything you sell.

Write for further particulars to :— Exhibition Manager, 1st Floor, 33 Gt. Queen Street, London, W.C.2. Hol. 6515

A bigger, better and brighter

HAIRDRESSING FAIR



# New Retail Prices of FLIT effective June 1st

With the beginning of the month the retail price of a 4 oz. tin of Flit will be reduced from 1/3 to 1/-, and that of the 8 oz. tin from 2/- to 1/9. The hand sprayer will also be reduced from 2/3 to 2/-. No alteration in price of other packages.

This substantial reduction, together with increased advertising support during the year, will expand the market for Flit considerably. Increase your stock to meet the inevitable large demand following this reduction. Your profits will be swifter and more substantial on account of quicker and larger sales.





# A NEW FLIT PRODUCT FLIT POWDER

Flit Powder has a deadly effect on Bugs, Beetles, Fleas and every other insect, and is especially suited to deal with pests that thrive in hard-to-reach corners. National Press Advertising will ensure a quick market. Be prepared by stocking adequately.

"I shall never regret leaving my shopfitting to Maws"



- They actually manufacture their shopfittings throughout at their Haggerston factory.
- I dealt with their own designer throughout.
- They designed an up-to-date, yet eminently professional pharmacy.
- As my leading sundries suppliers, they regard my refitting as a permanent investment.
- Their fitters have been working in pharmacies for years. They know their job from A to Z.
- Having regard to their quality, their price was highly competitive.

## MAW of LONDON

PHARMACY FITTERS OF REPUTE

S. MAW SON & SONS LTD., 7-12 ALDERSGATE STREET, E.C.1

'Phone: NATional 2468 (Private Exchange)



# Are you coming to the Pharmaceutical Conference?

There is certainly a treat in store for you if you are thinking of attending the Pharmaceutical Conference in Leeds on June 16th-21st.

You will be assured of a real hearty Yorkshire welcome and no effort is being spared to ensure your comfort and entertainment. We, ourselves, would be delighted if you will pay us a visit at our new works and see the modern methods of printing production.

Our works are conveniently situated about three miles from the centre of Leeds and they are easily reached by various tram and bus routes. May we look forward to the pleasure of seeing you?

# WAIDE

THOMAS WAIDE & SONS LTD., THE PRINTERS

Kirkstall Hill

LEEDS



All enquiries in connection with advertisements in "The Radio Times" should be addressed to the Advertisement Manager, The British Broadcasting Corporation, Broadcasting House, Portland Place, W.1. 'Phone: Welbeck 4468.



in the price of

# LEOINSULIN

Following the removal of the  $33\frac{1}{3}\%$  import duty on the above product prices will now be as follows:—

100 units in 5 c.c., Retail 1/1 200 units in 5 c.c., Retail 2/1 400 units in 4 c.c., Retail 4/2

Usual discount to trade

JAMES WOOLLEY

VICTORIA BRIDGE, MANCHESTER







## 'I always use....'

People sometimes wonder why with so little apparent effort the Harriet Hubbard Ayer preparations sell so universally.

It is the many women already using Harriet Hubbard Ayer preparations who are most influential in selling still more to other women. Their casual mention and recommendation is the finest sales-publicity we could have.

It builds up new business for us — and naturally for you too.

# HARRIET HUBBARD AYER

BEAUTY PREPARATIONS

130 Regent Street, London, W.1

NEW YORK

PARIS

MONTREAL

## HEADS AND TALES

Nothing spreads quicker than bad news—one harmful tale can ruin the work of years in your business—therefore sell nothing less safe than Nuctone for hair-dye sales. Nuctone offers you the prospects of building up a regular clientele—who come back again and again—it is safe, efficient and moderately priced.

ORDER THROUGH YOUR USUAL WHOLESALER.

## Nuctone SAFE FOR GREY HAIR

STEWART, GOODALL & DUNLOP LTD.



# TANGEE BRITISH MADE

Tangee Lipsticks, Rouges and other Tangee Beauty Preparations are made in England and are advertised in the "Tatler," "Sketch," "Woman's Journal," "Good Housekeeping," "Modern Woman," "Woman & Home," "Woman & Beauty," "Nash's Magazine," "Britannia & Eve," "Miss Modern," "True Story Magazine," "Weldon's Ladies' Journal," etc.

O other lipstick offers Tangee's advantages. No other lipstick matches all complexions—is right for all skins . . . delights all women. And the only way to avoid tying up your money in the endless shades in which ordinary lipsticks are made is to confine yourself exclusively to Tangee. Without Tangee in stock you are simply forced to buy lipsticks of no special shades for blondes, red heads and a dozen different varieties of brunettes.

Stock Tangee and your lipstick stock can be immediately reduced to the lowest possible minimum and your turnover materially increased and your profits will be improved.

### PRICES :

			Retail.	Wholesale.
TANGEE LIPSTICK	(Natural o	r Theatrical)	4/6	36/- doz. net.
TANGEE LIPSTICK MEDIL	JM ,,	,,	2/6	20/- do.
TANGEE MIDGET LIPSTIC	CK ,,	,,	6d.	48/- gross net.
TANGEE COMPACT ROL	JGE ,,	,,	3/6	28/- doz. net.
TANGEE PURSE-SIZE				
COMPACT ROU	GE "	,,	6d.	51/- gross net.
TANGEE CREME ROUGE			4/6	36/- doz. net.
TANGEE FACE POWDER			4/6	36/- do.
TANGEE FACE POWDER	MEDIUM		2/6	20/- do.
TANGEE PURSE-SIZE PO	WDER -		6d.	48/- gross net.
TANGEE NIGHT CREAM			4/6	36/- doz. net.
TANGEE DAY CREAM			4/6	36/- do.
MONS. DORIOT LEMON	CREAM		3/6	28/- do.

MORE GOOD NEWS! Tangee, already the fastest selling lipstick, will sell faster than ever before with the magnificent range of window and counter display material and literature now available. Make sure of your Tangee display now by sending to

LUFT TANGEE LTD., JOHNSON'S PLACE, LONDON S.W. 1

# Less than A YEAR!

-since it was first put on the market.

# Less than 4 MONTHS!

—since it was first nationally advertised.

TO-DAY



(the first shampoo to contain no soap)

# is a BIG seller with a BIGGER future

Ava has succeeded—and succeeded so quickly—because it is a shampoo made on entirely different principles. It contains no soap. It cleanses thoroughly. It leaves no sticky film. It makes the hair easier to set and preserves its natural colour and lustre. No wonder that women and girls are changing in their thousands to AVA shampoo—and recommending it to their friends

# National Advertising for AVA is consistent and strong

All enquiries to AVA LTD., 9 Park Hill, London, S.W.4

# Selling Fast

HAY'S

SUN TAN OIL

The Genuine Product

3 oz. flasks 6/3 per doz, 69/- per gross 1 oz. botts. 3/6 ,, ,, 39/- ,, ,, (both packs cellophane wrapped) Free show material with all orders. (This advt. does not apply to the IF.S.) Free sumple and full particulars from Dept. C.2

WILLIAM HAY LTD., Manufacturing Chemists, HULL

# Here's the cream your customers want — DISPLAY IT AND PROFIT

There's a huge market for Snowfire Cream—all satisfied users recommend this popular Vanishing Cream to their friends and strong advertising increases the demand still further. Get your share. Stock Snowfire Cream and display it. That's all you need do—it sells itself. And how it pushes up each month's figures! Handbag Containers, 3d. Dainty Tubes, 6d. Retail



In a host of imitations look for the FARINA RED CREST

> The Guarantee of the Original House IOHANN MARIA FARINA GEGENUBER DEM IULICHS-PLATZ COLOGNE





INEXPENSIVE.

AMAZING QUALITY

## Eau de Cologne

REVISED PRICES AND TERMS:

No.	Description.	Size.	Retail . Pric <b>e.</b>	Trade Price per dozen.	N	0.	Description	٦.		Size.	Retail Price.	Trade Price per dozen.
500	Flat Flask	- ½ oz.	6d.	4/6	7	12	Wicker Bottle		-	12 oz.	10/6	94/6
501	do	- Ĩ,,	1/-	9/-	7	24	do.		-	24 ,,	19/6	175/6
503w	<b>do.</b> (wicker) -	. 3,,	3/6	31/6	5	02	Flat Flask		-	2 ,,	2/-	18/-
602	Round White Bottle	2	2/-	18/-		03	do.	•	-	3 ,,	3/-	27/-
604	do.		4/-	36/-		04	do		-	4 ,,	4/-	36/-
608	1	- 8 ,,	6/6	58/6		06	do.	•	-	6 ,,	5/6	49/6
704	\A/:=l.=n D=441a	4	214	49/6		80 08w	do.		-	8 ,,	6/6 7/-	58/6
706	Wicker Bottle -	. 6 ,,	5/6		MC	vow	do. (wick	er)	•	8 ,,	1/-	63/-

TERMS:

Less  $2\frac{1}{2}\%$  at 30 days—otherwise strictly net.

#### WINDOW DISPLAY TERMS:

Orders over £5 net 12½ % of the net amount will be allowed IN GOODS for guaranteed 14 days' WINDOW Display. Orders over £2 net 10%.

PREPARED IN ENGLAND BY SOLE AGENTS:

#### BLACKALLER & PLEASANCE

DISTRIBUTORS':

#### DHADMACEUTICAL DIDOIDILOTS LAWRENCE ROAD, TOTTENHAM, N.15

#### The Aristocrat Eau Dentifrice Dr. Pierre

**National Advertising** commences June 1st

		PRICE LIST		
No. 00		Retail		Per dozen
	-	2/-	-	18/-
0	•	3/6	-	31/6
1	-	5/6	-	49/6
2 bis.	-	8/6	-	76/6 1 <b>6</b> 6/6
3 bis.	-	18/6	-	<b>16</b> 6/6
4 bis.	-	30/-	-	270/-
5 bis.	-	56/-	-	504/-

Less 2½% at 30 days—otherwise strictly net.

#### WINDOW DISPLAY TERMS:

Orders over £2 net.

of the net amount will be allowed IN GOODS for guaranteed 14 days' Window Display.

DHADMACEUTICAL LAWRENCE ROAD, TOTTENHAM, N.15

## 100% SALES INCREASE IN LAST 3 MONTHS!



That's sound healthy business—and shows how L'Onglex rewards prominent display of this 6d. series of Manicure Requisites. This increase will be still greater directly the National and Provincial Advertising is released—whilst profit is as fine as ever.

# L'Onglex NAIL POLISI

in five fashionable shades, Natural, Colourless, Rose-Coral, Carmine, and Ruby-Red—never peels, cracks or changes colour, and gives a lasting brilliant lustre. See how it is presented—no wonder sales are easy.



### CONSIDER TOO THIS SPECIAL OFFER

For display during June 1934, we give one **6d. bottle FREE** with each dozen assorted L'Onglex Liquid Polishes invoiced, in handsome Multicolour Display Stand. The price is 4/- per dozen, selling at 6d., which with Bonus gives 40% on outlay. A splendid return on a quality line at a popular price.

N.B.—All Fitted with specially designed caps, preventing evaporation and shrinkage of contents, thus ensuring perfect condition.

Wholesale Distributing Agents:

J. C. GAMBLES & CO. LTD., 211, 215 Blackfriars Road, LONDON, S.E.1

DISPLAY YOUR TOOTHBRUSHES CONSPICUOUSLY

with this attractive mahogany Display Stand supplied FREE if required with orders for



RETAIL DOZ. SIZE No. 1. CHILD'S. 3 Row - 6d.
No. 2. JUN'OR OR LADIES'. 3 Row
No. 3. GENTS.' 4 Row. Prophylactic type Med. - 1/LADIES'. 3 Row. Prophylactic type Hard. 1/-No. 5. Small Head 4 Row. Hard, specially designed neat patt. 1s. 3d. 10/-GENTS.' 4 Row. Prophylactic and straight serrated. Asstd. 1s.3d. 10/OVAL PATTERN, Hard.
Ladies' or Gents.' 1s.3d. 10/GENTS.' 4 Row. Very
Hard, extra strong handles. 1s.6d. 12/4 Row. 3 PLY HANDLES.
Extra stiff bristles. 2s.0d. 16/-1s.3d. 10/-

not less than 41 dozen brushes assorted.

Each Brush in Carton

To make our No. 5 Toothbrush better known, 2 (only) given free with every order for 1 doz. of Nos. 2 to 9, Minimum 3 doz. asstd.

Order through your Wholesale House

R. A. ROONEY & SONS, WALTHAMSTOW, LONDON, E. 17 Established over a Century

# Advertising begins this week

in the Daily Mail

41,515,000 copies of our advertisements



**PROFIT** 

ON TURNOVER

ON DIRECT

ORDERS

will sell for you!

link up with this powerful campaign

The Daily Mail is carrying the story of Macleans Peroxide Shaving Cream into nearly 2,000,000 homes every week—homes where the name of Macleans is a household word. And because Macleans are already old "friends of the family" this advertising campaign will be quick to bring results. Already sales are rising steadily—sales that bring the chemist 36% profit on direct orders. It definitely pays to link up with this campaign, for not only do you put the powerful selling force of publicity behind you, but we give you too, a generous bonus if you order direct and promise us a window display. Order today at our profitable prices.

# PEROXIDE SHAVING CREAM

**PRICES** 

Large, Retail 1/3. 11/3 per dozen. Small, Retail 6d. 4/6 per dozen.

'Phone: Ealing 6616

Wires: Macleans, Brentford

MACLEANS LTD., GREAT WEST RD., BRENTFORD, MIDDLX.

Waterspr 

FAST EDGE

ED FACE CLOTHS

AT REDUCED PRICES

SINGLE SIDED FROM 3/- PER DOZEN

DOUBLE SIDED FROM 4/- PER DOZEN

ORDER A SAMPLE DOZEN G 221 at 3/6 or

G 221c (CELLOPHANE WRAPPED) at 4/-FROM YOUR USUAL WHOLESALER

WRITE FOR ILLUSTRATED LIST WITH FULL DETAILS OF THESE DAINTY CLOTHS.

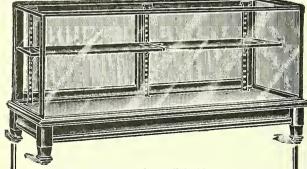
MADE IN ENGLAND BY



SUPPLIED IN AS ILLUSTRATED. I DOZEN OR 2 DOZEN IN DISPLAY AS DESIRED.

184-192 GOSWELL ROAD, LONDON, E.C.1 OBTAINABLE FROM ALL LEADING WHOLESALERS

KING'S



This range of showcases can be supplied with an oak or mahogany frame. The front, sides and top are glazed with new first quality drawn plate glass, \( \frac{1}{2}' \) thick, and there are two glass sliding doors at back on easy-running roller bearings. The interior of the showcase is fitted with standard bar and adjustable brackets and one row of plate glass shelves, \( 12'' \) wide \times \( \frac{1}{2}'' \) thick, polished edges. The bottom of the case has a polished oak ply floor and the legs are fitted with adjustable metal feet.

No. H3262. Size overal: \( -4' \) long \( \times \) 3' high \( \times 2'' \) back to front.

**£6:15:0**No. H2913. Size overall:—6' long  $\times$  3' high  $\times$  2' back to front.

Above prices are "carriage paid" within area of 20 miles Oxford Circus, London, otherwise "Ex works."

Send for full Catalogue No. 1013, post free on application.

KING, LTD., 42-60 GOSWELL RD., LONDON, E.C.1. 'Phones: CLERKENWELL 2316 (Private Box Exchange)



**GLASS CARBOYS** 

Of all Patent Medicine Houses at 3/-, 5/- and 9/- per dozen.

In packets at **5d.**, **9d.** and **1/3** each (P.A.T.A.)

The sure destructive agent which may be confidently recommended by Chemists for quick clearance of rats and mice.

(Users' testimonials on request.)

Prepared only by J. C. M. BATTLE, Ph.C., LINCOLN



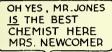
Recommended by the Medical Profession.



Backed by Consistent, Continuous Big-Space Advertisements.



'BISURATED' MAGNESIA is a Line YOU can sell with profit and . . .





PRESTIGE!



BISURATED HAGNESIA STATE CHEMISTS

Make a display and recommend this established indigestion specific to YOUR CUSTOMERS!

# OVER\_\_\_\_\_\_FIVE THOUSAND DENTISTS

are now using, and recommending their patients to use

### **ORALITE DENTURE SOAP**

The most effective cleanser and steriliser known for NATURAL TEETH, ARTIFICIAL TEETH

— and the GUMS —

A national advertising campaign is now in progress and we urge you to write at once for particulars of our attractive "First Order Terms."

THE ORALITE CO., LTD., THORNTON, Blackpool, Lancs.

### PRICE REDUCED

# KOLYNOS The Antiseptic Dental Cream

(Same as formerly 1/6)

Also New large size 1/9

Ask for Showcards featuring PRICE REDUCTION

ESTABLISHED 1793.

The Best and Safest Infants' Medicine of over 130 years' standing.



Does not contain any Scheduled Poison.

ROBERT BARKER & SON, LTD., 13 WESLEY STREET, C. on M., MANCHESTER



# "TRAYCO" ELECTRIC VIBRATING FEEDERS

WILL

Deliver a consistent steady flow of material, when once set, for any given capacity.

Operate off any standard A.C. lighting circuit, and have no frictional surfaces.

Made either in open launder, or tubular for dusty material, and for capacities up to 5 tons per hour.

## THOMAS LOCKER & Co. Ltd.

WARRINGTON, ENGLAND

Specialists in Handling and Screening Equipment
Phone: 910 Grams: "Lockers, Warrington"

# I RODONAL (BRAND)

# FOR RHEUMATISM, GOUT SCIATICA AND GRAVEL

SOLD IN BOTTLES 3/- 5/- & 12/-

GIVE YOUR CUSTOMERS SATISFACTION BY MAKING SURE THAT YOU ARE BEING SUPPLIED WITH FRESH STOCK BY SEEING THAT THE PACKAGE BEARS THE NAME OF THE

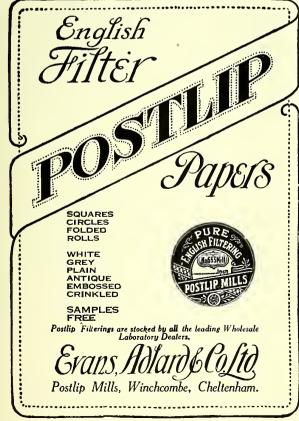
SOLE AGENTS

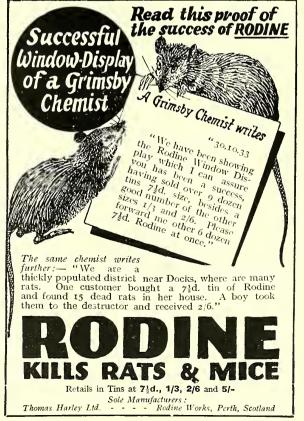


## SPENCER & CO

20 QUEEN ST., HAMMERSMITH, LONDON, W.6
TELEPHONE: RIVERSIDE 1712







#### TO PHARMACISTS OF THE NORTH WE OFFER



PROMPT SERVICE: KEEN PRICES: SOUND QUALITY, AND FREQUENT MOTOR VAN DELIVERIES IN THE TYNE, WEAR AND TEES AREAS.

For fuller particulars consult page 75 THE CHEMIST & DRUGGIST DIARY, 1934.

BRADY & MARTIN, Ltd. Northumberland Rd., NEWCASTLE-ON-TYNE



#### BE PREPARED FOR THE COMING SEASON

Increase Your Developing and Printing Service!

Make use of our really useful series of D. & P. books, also our Printed Aids to Selling.

Interesting range of samples post free.

BURALL Bros. - Wisbech, Cambs.

ALL CHEMISTS SHOULD STOCK

ABUINE

THE GOLD MEDAL HEALTH DRINK. Quick Seller, Big Profits.
Over 60 years' Reputation, "Abdine" is obtainable from the Wholesale
Houses. Attractive Display Material constantly available.

DUNCAN McGLASHAN LTD., ABDINE WORKS, WESTFIELD RB., EDINBURGH

# Senna

FROM OUR

Alexandrian & Tinnevelly Pods Leaves Siftings

John Ronaldson & Co. 15 Seething Lane, London.

HEMISTS ARE REALISING THAT
THE NEW IDEAS FOR BETTER
BOTTLES ARE ALL COMING
FROM BARNETT'S. WRITE FOR

JACK L. BARNETT Ltd. 18 Basinghall St. Leeds 1. Tel. 28447

## DISPENSING FOR PHARMACEUTICAL STUDENTS,

By J. W. Cooper, Ph.D., and F. J. Dyer, B.Sc., Ph.D. This book has just been completely revised and brought up to date. It is an invaluable textbook, in which special care has been taken to give maximum assistance to the Candidate for the Qualifying Examinations.

Third Edition. 392 pp. 8/6 net.

From a bookseller, or 9/- post free from: SIR ISAAC PITMAN & SONS, LTD., Parker St., Kingsway, W.C.2

#### F. MAUND & E. BERG (SHOWCASES) Ltd.

SHOPFITTERS & SHOPFRONT BUILDERS
75/9 OLD STREET, LONDON, E.C. 1
Telephone: Clerkenwell 1782/3

are offering for sale, at competitive prices, an extensive and exceptionally full range of Chemists' Fittings, Second-hand and New.



# BERTRAND'S ODOURLESS PESSARIES

CHARLTON & CO., Upper Norwood S.E.19, and all Wholesalers. 15/- per doz.

## 

Louis de Luxe Products
ALL TOILET PREPARATIONS

Low, Son & Haydon, Limited

5 GT. QUEEN ST., LONDON, W.C.2 TELEPHONE: HOLBORN 6410 EST. 1790 PE

COURT

# SECTO KILLS ALL INSECTS CUPAL LTD. BLACKBURN

# FREE and POST FREE NEW CO-RE-GA CARD

Display it and increase your sales
THOS. CHRISTY & Co., Old Swan Lane, London, E.C.4

THE CHEMIST'S COMPACT LIBRARY—Money-making and Money-saving Books
EVERY BOOK by an EXPERT

May be obtained at the published prices from any Wholesale Drug or Sundries House, or from

"THE CHEMIST AND DRUGGIST," 28 ESSEX STREET, LONDON, W.C.2

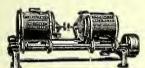
BRANCH OFFICES: Manchester and Sheffield, England; Glasgow, Scotland; Melbourne and Sydney, Australia; Auckland, New Zealand.



Patent "Rapid" Mixer.



Patent "Rapid" Sifter.



Gardner Ball Crushing Mill.

for Chemical purposes must be rapid, superfine, of laboratory accuracy, and absolutely consistent.

Gardner machines perform all these operations in the most efficient way.

They are economical and efficient; a high standard is maintained in the quality and quantity of their output.

Details and Catalogue of all Gardner plants from

WM. GARDNER & SONS (Gloucester) LTD.

#### BRISTOL ROAD, GLOUGESTER

Telephone: 2288 (2 lines). Telegrums: "Gardner, Gloucester." London Office: 19 Gray's Inn Chmbre. 20 High Holborn, F.C.1. Telephone: Chancery 7947.



Ten million people every month buy the newspapers

and women's journals con-taining "Town Talk" Advertisements which tell readers the superlative qualities of "Town Talk," also that it is sold by Chemists.

it is sold by Chemists.

That is why stockists do not have to sell "Town Talk"—
they are asked for it.
Order the "Town Talk" 5 quickselling repeat-order lines. They
give a generous profit.
Additional "TOWN TALK" Sales
Helps supplied free on request. Showcards, Window Displays. Samples,
Leaflets, Cinema Slides, Blocks for own
advertising.

advertising.
TOWN TALK POLISH Co.,
M A N C H E S T E R

You do not have to sell 'TOWN TALK.' Women BUY it.

ORDER DIRECT OR FROM:

James Woolley Sons & Co., Ltd., Manchester Ayrton, Saunders & Co., Ltd., Liverpool Brooks & Warburton, Ltd.

Goodall, Backhouse & Co., Leeds May, Roberts & Co., Ltd., London

Made in best quality clear glass. PACKED IN AN ATTRACTIVE SHOW CARTON. For Sickness, Confinements & Weaning of Infants the Ideal Feeding Cup is the best. A MOST USEFUL LINE TO STOCK. Retail Price 9d. each. Trade Price 6/- per doz. ORDER FROM YOUR WHOLESALER.

## THE ANNUAL SPECIAL ISSUE

OF

## THE CHEMIST AND DRUGGIST

will be published on June 30, 1934

It will contain in addition to the usual advertisements, Supplements printed in Photogravure and Two-colour Letterpress—Black and Red and Black and Green—on Buff imitation art paper.

These pages will close for press on the following dates:-

PHOTOGRAVURE - June 7
COLOUR PAGES - June 14

Advertisers wishing to avail themselves of special announcements in these attractive forms are requested to communicate promptly with:

The Publisher,

### THE CHEMIST AND DRUGGIST

28 ESSEX STREET, STRAND :: :: LONDON, W.C. 2

Telephone: Central 6565.

Telegrams: "CHEMICUS, ESTRAND, LONDON"

BRANCH OFFICES:

49 County Buildings, Cannon Street, MANCHESTER 19 Waterloo Street,
GLASGOW

54 Fosters Buildings, High Street, SHEFFIELD 155 Ave. de Wagram,
PARIS





Telephone:
Bishopsgate 4761 (5 lines) 60 - 64 ARTILLERY LANE, LONDON, E.1 Phone, London" Telephone: Blackfriars 8734

AND AT 77 DANTZIC STREET, MANCHESTER, 4 Telegrams. "Horehound, Manchester"

# SASSO OLIVE OIL

The Standard of Quality



#### OLIVE OIL SALES

How many of your customers don't buy Olive Oil from you? How many who do buy Olive Oil from you buy it regularly? With the right quality of Olive Oil you will have a confidence in recommending it that you never had before. With the right kind of Olive Oil you will secure repeat business that you never enjoyed before.

With the right kind of Olive Oil you will gain business by recommendation which you never obtain with a poor brand of Oil.

Therefore, it pays to sell "SASSO"—a perfect Olive Oil in every respect.

Write for new season's sample and price list.

Producers:

#### P. SASSO & FIGLI

Oneglia,- Italy

Sole distributors for the United Kingdom: Fredk. Boehm Ltd., 17, Jewry Street, London, E.C.3





## Consider the Qualities of . . . .

TRADE STABLO D BRANE

## PRODUCTS



Uniform in purity, accuracy and reliability. Easily carried.

Facilitate the administration of precise doses of the medicament prescribed.

Known and recommended by the medical profession world-wide.

Keep well in any climate.

Two typical examples from the wide range of 'Tabloid' products

# TRADE TABLOID BRAND

## Cascara Sagrada

(DRY EXTRACT)

Plain or sugar-coated products

g	ŗ.	1.	Bottles	of	25,	at	5/-	doz.	Bottles	of	100,	at	12/-	doz.
g	ŗ.	2.	,,						**	,,	100,	,,	13/6	**
-	,	3.	,,										20/-	
-		4.	**										24/6	
g	ŗ.	5.	,,	,,	25,	,,	9/1	,,	,,	,,	100,	,,	27/3	**

# Trade 'TABLOID' BRAND Laxative Vegetable

R
Ext. Colocynthidis Comp., P.B. 1914,
Ext. Jalapæ,
Podophylli Resinæ,
Leptandrini,
Ext. Hyoscyami Viridis, P.B. 1898,
Ext. Taraxaci, P.B. 1914,

Ol. Menthæ Piperitæ,

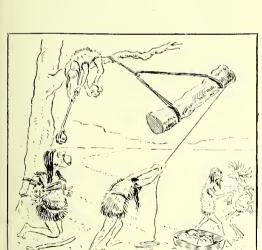
gr. 1/2 (0·032 gm.) gr. 1/4 (0·016 gm.) gr. 1/2 (0·032 gm.) gr. 1/3 (0·016 gm.) gr. 1/4 (0·016 gm.)

Plain or sugar-coated products

Bottles of 25, at 10/- doz.

Bottles of 100, at 30/- doz.

London Prices to the Trade (Subject)



FORCIBLE ADMINISTRATION OF A PILL F.R.

A humorous artist's impression of an imaginary incident in ancient medical practice.



BURROUGHS WELLCOME & CO., LONDON

G 1806

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salinax is undoubtedly the right Saline for the upto-date pharmacy. The sale of Salinax is restricted to chemists.

We know that SALINAX, once introduced, will retain customers; therefore, in order to make SALINAX known to a wider circle of buyers we are for a limited period making a

## SPECIAL BONUS OFFER

#### OF THIRTEEN BOTTLES TO THE DOZEN

for customers willing to display and push the product.

The necessary show material will be sent with every order.

P.A.T.A. PRICES (Home Trade).

Retail 1/3 each. Wholesale 10/- dozen (13 to the dozen)

Retail 2/3 each. Wholesale 18/- dozen (13 to the dozen)

Special prices for quantities. 45% Profit on best terms.

B.D.H. London, N.I



### THE EMIST AND RUGG

Weekly Journal of Pharmacy, the Drug, Chemical and Allied Trades

The official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in Overseas Dominions

PUBLISHED AT

#### 28 ESSEX STREET, STRAND, LONDON, W.C.2

Telegrams: "Chemicus, Estrand, London" Telephone: Central 6565 (8 lines)

BRANCH OFFICES

4 CANNON STREET, MANCHESTER (TEL.: BLACKFRIARS 3052)

19 WATERLOO STREET, GLASGOW (TEL.: CENTRAL 2329)

155 AVENUE DE WAGRAM, PARIS, XVII<sup>6</sup> (TEL.: ETOILE 19-79)

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# News of the Week

#### Additional Import Duties—Glass and Glassware

The Treasury have directed that as from May 30, 1934, the duties imposed under the Import Duties Act, 1932,

on the undermentioned classes of goods shall be creased as stated:—	ın-
Plate glass, cast, rolled, or otherwise produced, including reinforced plate, figured plate, and polished plate, which has not been further processed or worked	15%
Sheet glass and patent plate not further processed or worked	15%
Plate or sheet glass (clear, opal, or coloured), bevelled, sand-blasted, silvered or metallised, backed with other materials, drilled, painted, or otherwise finished	20%
Glass mirrors, unframed, framed, or backed; shelves; finger plates, table tops; and advertisement tablets made from plate or sheet glass specified above	20%
Glass rod and tubing	20%
Unworked pressed or moulded lenses, prisms, and blanks thereof	20%
Illuminating glassware, such as globes and shades, hurricane lamp glasses and oil lamp chimneys (excluding miners' lamp glasses, bulbs for electric filament lamps, and oil lamp chimneys of which top orifice is not larger than bottom orifice and height is not less than twice maximum diameter)	er lb.
Other illuminating glassware and lighting panels	
Stemmed glass drinking vessels and syphon vases 2	20%
Bottles and jars other than syphon vases; tubular containers, whether corked, capped or not; stoppers and covers for bottles and jars, whether ground or not; fishing floats 2	25%
Articles (other than those mentioned above) whether finished or mounted or not, of the following descriptions, and blanks of such articles:	
Glassware of a kind commonly used for domestic pur- poses, other than oil lamp chimneys specified	
above	30%
Vacuum flasks, vacuum jars, and similar vacuum	,,,
Vacuum flasks, vacuum jars, and similar vacuum Vacuum flasks, vacuum jars, and similar vacuum vessels, whether fitted or not	,,,

#### Merchandise Marks Inquiry—Hair Combs

The Standing Committee appointed by the Board of Trade will hold an inquiry on Tuesday, June 12, 1934, at 10.30 a.m., and if necessary Wednesday, June 13, at 10.30 a.m., at the Board of Trade Offices, Great George Street, London, S.W.I, as to whether the undermentioned descriptions of imported goods should be required to bear an indication of origin.

Hair combs and blanks therefor.

#### Import Duties Advisory Committee

The Import Duties Advisory Committee give notice of applications for a reduction of the additional duty on the following manufactures of Cork:-

Discs not exceeding 1½ inches in diameter and not exceeding 1½ inch in diameter;
Blocks, slabs, sheets, squares, boards and tiles;
Rings and washers;
Floats adapted for use on fishing nets;
Sheet cork shaped so as to be adapted for use in the manufacture of helmets;
Insulating nipe covering Insulating pipe covering.

The Committee have also under consideration an application for the addition to the Free List of Seaweed, raw, dried or bleached, but not further manufactured.

Any representations which interested parties may desire to make in regard to these applications should be addressed in writing to the Secretary, Import Duties Advisory Committee, Caxton House (West Block), Tothill Street, Westminster, London, S.W.I, not later than June 23.

#### Import Duties—Exemptions

Under the Import Duties (Exemptions) (No. 7) Order, dated May 28, 1934, the undermentioned classes of goods were added to the Free List under the Import Duties Act, 1932, on May 30:-

The following articles of a size and shape adapted for use in articles of jewellery or imitation jewellery:—Articles made of glass, whether decorated or not, and whether backed with paint or metal or not, but not mounted, set or strung.

Exposed photographic plates or films and photographic prints (other than cinematograph films and prints therefrom) imported in a packet not exceeding eight ounces in gross weight which does not form part of a larger consignment.

#### Modern Packing Exhibition

A modern packing exhibition was opened on May 30 at Dorland Hall, Regent Street, London, S.W.1, under the auspices of "Marketing and Design." Lord Leverhulme, in declaring the exhibition open, said the exhibition proclaimed the fact that designing and packing was a distinct art. It had been held for a long time that a package design once decided upon should never be changed; recent experience, however, had modified this belief. A name and trade mark, said Lord Leverhulme, should never be tampered with, but if a package was old-fashioned, out of keeping with modern ideas, less distinctive and striking than it might be, a change should be made without hesitation. Mr. F. N. Hepworth (chairman of the Metal Box Co., Ltd.), replied. The exhibition contains much of interest to manufacturers in the drug trade, and many pharmaceutical and allied products are shown as examples of modern packs. The exhibition remains open until June 9.

#### Liverpool

A visit to the Liverpool Waterworks at Lake Vrnwy on June 13 is contemplated by the Liverpool Chemists' Association as the centre of attraction for their summer

The late Mr. Harold Wyatt, Ph.C., whose death is recorded in this issue, is believed to be the first president of the Liverpool Chemists' Association to have died during his term of office since the formation of the Association in 1849.

#### Miscellaneous

Poison licence application.—Mr. A. V. Charge, Nazeing, has applied to the Essex County Council for a licence to sell agricultural and horticultural poisons.

Analyst's report.—Durham county analyst reports that a sample of camphorated oil contained only 17 per cent. of camphor; on the minimum British Pharmacopæia figure the sample was therefore deficient to the extent of 10.6 per cent.

Belladonna root mistaken for liquorice root.—At Leicester, on May 25, fourteen men employed at a factory picked up pieces of belladonna root which had dropped from a lorry on its way to another factory. All were taken ill but eventually recovered.

FOOD AND DRUGS (ADULTERATION) ACT.—At Marylebone Police Court, London, recently, J. Salmon & Son, grocers, Harvist Road, N., were fined 40s., with £3 3s. costs, for having sold pearl barley containing 1.2 per cent. of talc and sulphur dioxide to the extent of 190 parts per million. A defence of warranty failed.

#### Scottish Notes

#### **Brevities**

Mr. Thomas Duff, ironmonger, 67 High Street, Lockerbie, has applied for a licence to sell agricultural and horticultural poisons.

The premises of Mr. Martin Meldrum, Ph.C., Montgomery Street, Irvine, were the scene of a burglary recently, when a sum of money was stolen.

Duns Town Council has granted licences for the sale of agricultural and horticultural poisons to Mr. W. D. Wightman and Mr. Thomas Stephenson.

A correspondent (28/5) writes:—"There is a growing volume of opinion that in order to ensure a representative vote at future Council elections the recording of votes be made compulsory. It is surely an easy matter to fill up and post a voting paper.

#### Irish Notes

#### Presentation to Mr. A. D. Davidson

Mr. Alexander D. Davidson, the well-known manager of May Roberts & Co.'s Dublin branch, has recently been elected a director of the company. The news of Mr. Davidson's appointment has been received with much pleasure by his many friends in the Irish Free State, and congratulations from every side have reached him on his well-deserved distinction. Mr. Davidson joined Messrs. May Roberts's Irish staff in 1919, and was promoted to the post of manager in 1930. To mark the occasion a pleasant ceremony took place, recently, at Messrs. May Roberts's Irish headquarters, Grand Canal Quay, Dublin, where every member of the large staff joined in pre-senting Mr. Davidson with an inscribed silver tea and coffee service. The company included Mrs. Davidson and the following, who had crossed specially from



MISS L. PAYNE (left) PRESENTING MR. A. D. DAVIDSON (right) WITH TEA AND COFFEE SERVICE. MRS. DAVIDSON AT TABLE (seated).

England to inform Mr. Davidson personally of his election: Mr. A. T. Webb (managing director), Mr. R. Peck (director) and Mr. A. Thomas. Mr. R. C. White (assistant manager of the Dublin branch) and Mr. E. Edwards were also present. Miss L. Payne made the presentation, on behalf of the staff, in a felicitous speech. Replying, Mr. Davidson said he was deeply touched by this tribute, and also by the staff's expressions of loyalty and goodwill. Although the signal honour had been conferred on him, he realised this had been made possible by the support he had always received from each individual member of the staff and the splendid way they had always worked in the interests of the branch. He had always tried to carry out his duties in a fair and impartial manner, and would continue to do so in his new capacity. He thanked the staff very warmly on his own behalf and also on behalf of Mrs. Davidson.

#### Brevities

Mr. John J. Sewell, M.P.S.I., has been elected vicepresident of the Rockwell College Union.

At Belfast Summons Court, on May 24, Mr. Adam Gibson, superintendent of Gibson's Medical Hall, Ltd., Donegall Place, was charged with failing to make an entry in his registration book before delivery of methylated spirits, and with failing to affix to the bottle containing the spirits a label bearing the name and address of the person making the sale. He was further charged with selling the methylated spirits to a person unknown to him, the said person not being introduced by some person known to him. A fine of 20s. on each charge was imposed.

The second annual outing of the office staff of Evans Sons Lescher & Webb, Ltd. (Dublin branch), took place



GROUP FROM THE DUBLIN OFFICE OF EVANS SONS LESCHER & WEBB, LTD.

on May 27, when a large party motored to Brittas Bay, co. Wicklow, where a most enjoyable day was spent.

The weather was fine. The party included Mr. W. Rowland Such (Dublin manager) and Mrs. Such, Mr. C. J. Hall (country representative) and Mrs. Hall, Mr. T. Moran (assistant manager) and Mrs. Moran, and Mr. S. Heron.

The Irish Free State financial resolutions for the year 1934-35 have been published (price 9d.) by the Dublin Stationery Office, and may be obtained at 5 Nassau Street, Dublin, C.2. Resolutions 1, 2 and 3 refer to income tax; 4-12, 14, 17 and 18 to Customs; 13 to Customs and Excise; 15 and 16 to Excise; 19-22 to death duties; while the last two, 23 and 24, are general. These resolutions have already been noticed in the C.  $\mathcal{E}$  D. so far as they affect the drug and chemical industries.

Among those who had the honour of presenting addresses to his Royal Highness the Duke of Gloucester, at Parliament Buildings, Stormont, Belfast, on May 28, were Mr. Robert Hastings, J.P., Ph.C., on behalf of the Newcastle Urban District Council, and Mr. R. F. McCartney, J.P., Ph.C., on behalf of the Coleraine Urban District Council. Sir Thomas McMullan (a member of the Council of the Pharmaceutical Society of Northern Ireland) was one of the representatives for the Belfast Harbour Board.

# Topical Reflections

### By Xrayser

#### Your Seasonal Article

"Display for the Chemist" (C. & D., May 26, p. 595) comes just at the right time, and I imagine that in many pharmacies it has already been read and put into practice. I am reminded by reading this article of the ease with which the pharmacist to-day can make a seasonal display compared with pharmacists of an earlier period. Not only was there a dearth of suitable articles to show, but there were practically no such display gadgets as are in evidence now. Add to this the difficulty of finding suitable backgrounds, and it will be realised that dressing the window twenty years or so ago was a task not lightly to be undertaken. The holiday window is particularly interesting, and gives a capital idea of the possibilities dormant in the stock of the average pharmacy, when certain of them are brought together and linked up with an appropriate showcard. The cards you reproduce are not overcrowded, are not too large, and the message is clear and convincing. The "Ideas for Better Display" (p. 597) should on no account be overlooked; all are excellent. The chromiumplated stand and bakelite stand appeal to one, and their use will relieve the window dresser of a good deal of trouble, inasmuch as awkward corners can be dealt with. The glass-fronted pharmacy drawers should have their uses, and if they prevent assistants from using the drawers as rubbish holes they will have served another good purpose.

#### 1 Agree

with your temperately worded leading article "Worth avoiding" (p. 593); I hope that those affected will not fail to read and consider it. It must be obvious to those behind the scenes that there is a real danger of overproduction in certain sections of the fine chemical industry; this is already evident in some cutting of prices and in other practices not altogether desirable. At the same time it is to be noted with satisfaction that there is more unity among British chemical manufacturers than there has ever been before. Of greater seriousness is the position in the drug trade to-day. Over-production in the manufacture of galenicals has reached such a state that all kinds of traders are now marketing them, and the old-established drug houses are menaced with

competition from firms who regard drugs in the same light as they regard soap. At the present time it rather looks as if conditions will have to become much worse before they can become better.

#### Truth

is not always palatable; and in the lecture by Dr. J. M. Johnston (p. 589) will be found statements of fact which will make the majority of pharmacists sit up and take notice. The lecturer's plea was, among other things, for simplicity in prescribing and taking drugs: he made the statement that we are suffering from a surplus of drugs and preparations, not only in numbers, but in their unsuitability, if not actual uselessness, for the purpose for which they are intended. He is probably right. I recall the methods of a most successful medical man whose treatment consisted of the prescribing of not more than a dozen stock mixtures, with two or three different pills. At the same time, the outlook for the pharmacist if such a state of affairs became common would not be too hopeful. The returns of the average pharmacy to-day are largely made up of the sales of proprietary medicines, a great number of which are prescribed or ordered by medical men. If the change desired by Dr. Johnston came about, it is doubtful whether the pharmacist would make up his lost income by taking over "much of the analytical work at present undertaken by pharmacologists," in addition to working in the "field of biochemical investigations."

#### I Have Carefully Studied

the Barry Public Medical Service scheme (p. 547). If this is to be regarded as a model for other districts, it looks as if the chemist will have a very thin time. It is distinctly laid down that "all ordinary medicines, and dressings for such wounds and other injuries as are treated by the medical attendant" shall be supplied by the medical man. This means that the old "club" system is to be revived, although the weekly payment is much higher. The doctor, even if he finds the medicines and certain sundries, is likely to be better off under this scheme than under N.H.I., and I am not surprised to read that apparently every doctor in the area has joined.

### French News

From the "C. & D." Paris Correspondent

#### Retrospect

No outstanding incident has marked the history of French pharmacy during 1933. The usual steady and persistent, if not always successful, struggle against old abuses and new encroachments may, however, justify a brief summary of the present position. The Act to extend the privileges of herbalists, passed some time ago by the Chamber of Deputies, was referred by the Senate to its Committee of Hygiene. The pharmacists were careful to supply the members of that Committee with a report setting forth their objections to the scheme; a deputation also waited on the senators to afford any supplementary verbal information and to press their case. It is just possible, thanks to these efforts, that the status quo may eventually be confirmed. The proposal to create an assistants' diploma ("Diplome de Préparateur") is also being opposed. The apprenticeship question is freely discussed, and one or two slight attempts to check the surplus of qualified men have been made. In one region the pharmacists accept only one apprentice. In another the number of students is limited; but doubts are expressed as to whether the rejected do not transfer their studies to the nearest big university centre, or serve their apprenticeship in pharmacies the owners of which have not joined in the general movement. The question of the limitation of the number of pharmacies has been before the trade, more especially since the Alsace-Lorraine region (where the German system of limiration still continues) has become part of France. The Pharmacists' General Association proposes to endeavour to discover if any scheme would be practicable and

The increasing tendency of tax officials to insist on the production of book-keeping proofs of turnover has culminated in certain demands to submit prescription books to these officials. One case is before the Court of Appeal, and in the meantime pharmacists are counselled to refuse, and plead the necessity and propriety of professional secrecy.

The practice known here as "colportage," i.e., touting for orders outside the immediate vicinity of the pharmacy and the employment of agents to thus secure orders and deliver goods, is stated to be on the increase, and is criticised by many as not in accordance with the best traditions of French pharmacy. Whether it can be legally checked seems yet to be proved.

The desirability of including in the new edition of the Codex the whole of the formulas contained in the old editions (with the exception, of course, of those officially abolished) has also been insisted on. The constant tendency to extend by legislation the supply of medicaments on an official basis to large sections of the public has induced the Pharmacists' General Association not only to draw up a tariff for the guidance of pharmacists doing this class of dispensing, but also to revise it periodically.

Death of Price-Protection Pioneer.—M. Chevret, of St. Etienne, whose death was recently announced, was well known to French pharmacists as the originator of the price-protection scheme known as "Nationale-Réglementation."

Dr. Maurice-Maximilien Leprince, whose death is announced, was an ex-president of the Association of Manufacturers of Pharmaceutical Products. He was a member of the Seine Department Association of Pharmacists for thirty-seven years.

A MONUMENT to the memory of Professor Léon Guignard was recently unveiled at the Paris Faculty of Pharmacy, of which the eminent botanist was director from 1900 to 1910. M. de Monzie (minister of National Education) and various scientific and official notabilities were present at the ceremony.

THE manufacturers of a proprietary veterinary remedy refused to pay the tax on patent medicines, arguing that

those not intended for human consumption were exempt. The excise authorities prosecuted. They were non-suited when the case came up to the Paris Court of Appeal: but they submitted the decision to the Court of Cassation, which has decided that if the decree of April 25, 1777, reserves to pharmacists the manufacture and sale of medical products for human use, it does not follow that medicaments destined for animals (although not included in the pharmacists' monopoly) are not pharmaceutical products. The law, the Court adds, intended to tax all pharmaceutical specialities advertised, whether for human or animal medicine, and the remedy in question is subject to the tax.

### New Zealand News

Kauri Gum Board abolished.—The abolition of the Kauri Gum Board took effect on April 1, and as a result it has been necessary to frame amending regulations under the Kauri Gum Industry Act, 1908. These amendments give to the Commissioner of Crown Lands powers previously held by the board in respect to the issue of licences.

Hospital matron acquitted.—A verdict of "Not guilty" was returned in a case against a former matron of the Kaikoura Hospital, who was charged at Christchurch with the manslaughter of a patient at the hospital. An enema had been given by the accused, and it was discovered that the basin used had contained carbolic acid left in a cupboard by the maternity nurse.

Pharmacy Board report.—The report of the Pharmacy Board of New Zealand for 1933 states, inter alia, that the outstanding event of the year was the inauguration of the College of Pharmacy in the Society's own building. A change was made in the examination arrangements, in that only one date in each of the four centres was announced instead of the two that have been usual for many years past. During the year the president and members of the Board have interviewed the Minister of Health on two occasions urging the necessity for a new Poisons Act. As a result of this the Minister states that instructions have been given to proceed with a Poisons Bill, to be brought before Parliament at the first opportunity.

### At the Counter

From South Africa.—The following delightful order has been sent us by a subscriber (16/10) in South Africa:—

Sirwill you bleas bet me now if you have a Sorth of stubb that can give a coloured men a beatubul benk compleson true his hole boddy bink for ever and a good comples on for a men have a Davk comples on

Our correspondent comments: "Alas! not executed." He refers to the order, not the customer.

# Irish Free State Dispensary Rules

ULES for the government of dispensary districts and the performance of vaccination in the Irish Free State have been issued (S.R. & O., 1934, No. 38) by the Dublin Stationery Office, and are obtainable at 5 Nassau Street, Dublin, C.2. The Irish and English versions are printed on facing pages. The printiple of the printip cipal items of interest from a pharmaceutical point of view are the following: -

#### Qualifications and Duties of Compounders

Every person to be appointed as a compounder shall (a) have obtained a licence of the Apothecaries' Hall, Dublin, or a certificate of qualification as a pharmaceutical chemist from the Pharmaceutical Society of Saorstát Eireann, and (b) have reached the age of twenty-one. His duties (pp. 35-37) are:-

(r) He shall attend at the dispensary or dispensaries of the district or division of a district under his charge on such days and at such fixed hours as the Minister may approve or direct, and shall con-tinue in attendance thereat for such times as may be sufficient to permit of his compounding the prescriptions of all the patients attended by the medical officer or medical officers of the district.

(2) He shall further attend at a dispensary of the district or division of the district in his charge at any time and compound the medicines prescribed by

the medical officer for any urgent case.
(3) He shall take charge of and keep carefully and safely as far as lies in his power, all drugs, medicines, stores and medical and surgical appliances provided by the board of assistance for use in the dispensary or dispensaries of the district or division of the district in his charge.

(4) He shall keep the poisonous medicines at the dispensary or dispensaries of the district or division of the district in his charge under lock and key in a press separate from the other medicines, and shall retain and be responsible for the possession

of the key of such press.

(5) He shall prepare and dispense skilfully and cautiously all prescriptions drawn up and ordered by a medical officer of the district or division of the district in his charge, and shall punctually supply the medicines, when prepared, to the persons authorised to receive them, and shall, when so required by the prescriptions, express in writing, or by printed labels, the proper directions to accompany the medicines.

(6) He shall make such pharmaceutical preparations for use in dispensing medicines as he may be required to make from time to time, by a medical officer of the district or division of the district in his

(7) He shall keep in a suitable book for the purpose, to be provided by the secretary of the board of assistance, a record of all prescriptions so compounded, and of all medical and surgical appliances issued

by him out of stock.

(8) He shall prepare, after consultation with the medical officer or officers of the district or division of the district in his charge and submit for his or their signature, the necessary estimates and requisitions for medicines.

(9) He shall record in a book, to be kept for that purpose at each dispensary of the district, the time of his arrival and departure, and shall submit such book at least once in each month to the medical officer

in charge of such dispensary for examination.
(10) He shall carefully compare and check the medicines and medical and surgical appliances received at the dispensary or dispensaries with the invoices

relating thereto.

(II) He shall keep a complete list of all appliances
provided from time to time for dispensary use, and submit the list at the end of each half-year

ending the 30th day of September and the 31st day of March, respectively, to the secretary of the board of assistance for examination, and shall, upon his resigning or otherwise ceasing to hold office, hand over the appliances specified in such list to the secretary of the board who shall compare the same with such list and report any deficiencies or discrepancies therein to the board.

(12) He shall discharge such other duties as from time to time may be assigned to him by the board of assistance with the consent of the Minister.

Where no compounder is appointed, the medical officer for the district is to keep "carefully and safely, as far as lies in his power, all drugs, medicines, stores and medical and surgical appliances provided." He is also to "keep the poisonous medicines at the dispensary under lock and key in a press separate from the other medicines '' (p. 29).

#### Requisitions and Samples for Analysis

Supplies of medicine must be ordered not less frequently than once in three months, in such quantities as shall be estimated to suffice for that period.

Immediately on receipt of each quarterly consignment, the medical officer concerned shall carefully check the quantities with the invoice, weighing each drug, and shall note any excess or deficiency. The medical officer shall then *personally* select a few samples (three to six) and forward them to the secretary of the board of assistance for transmission to the analyst, and shall mark on the invoice the items from which the selections have been made. The medical officer also shall see that the samples are carefully made up (sample bottles and corrugated paper for packing are included in the prescribed lists), and shall attach to each sample a label showing [certain

prescribed particulars] . . . (p. 105).

Medical officers, it is added, should exercise their own discretion in selecting the samples, and shall be fully responsible for the judiciousness of the selection made on each occasion. "The following are, however, the drugs found by experience to be most likely to be adulterated or deficient in strength:—Glycerinum pepadulterated or deficient in strength:—Glycerinum pepsini, Hydrargyrum cum creta, Linimentum camphoræ, Liquor hydrargyri perchloridi, Liquor morphinæ hydrochloridi, Liquor strychninæ hydrochloridi, Oxymel scillæ, Pepsinum, Pulvis glycyrrhizæ compositus, Spiritus ætheris nitrosi, Spiritus ammoniæ aromaticus, Syrupus ferri iodidi, Syrupus ferri phosphatis cum quinina et strychnina, Unguentum chrysarobini, Unguentum hydrargyri. Tinctures, liquid extracts and concentrated liquors are frequently deficient in alcohol

concentrated liquors are frequently deficient in alcohol or in extractive" (p. 107).

The Department of Local Government and Public Health have ascertained that the quantities requisite for analytical purposes of the undermentioned drugs are:

Tinctures, spirits, liquors, wines, liniments, syrups, fixed oils, turpentine . . . . . . . . . . . 4 oz.
Liquid mineral acids, chloroforin, and ether . . . 2 oz.
Liquid extracts and concentrated liquors . . . . . 3 oz.
Inorganic salts, potassii tartras acidus, linum contusum

Iodides, bromides, hard extracts, glycerinum pepsini, organic acids, and powders ..... Paraffinum liquidum .. .. Pepsinum ... Essential oils for qualitative examination ... Alkaloids for quantitative examination

Alkaloids for quantitative examination

Alkaloids for quantitative examination

...

Leeches, serums and trusses, when urgently required, may be ordered by the medical officer from the contractor by letter or telegram, but a requisition must be subsequently submitted in the usual manner. Every requisition for an article not on the prescribed lists should state the circumstances considered to render it necessary, the estimated cost, and the reason why none of the articles on the prescribed lists is suitable.

# Legal Reports

Action Settled.—In Hamilton Sheriff Court, on May 25, intimation of settlement was made in an action against Boots Pure Drug Co., Ltd., Nottingham. The plaintiff was Mrs. Mary Smith, Wylie Street, Hamilton, who claimed damages of £250 against Messrs. Boots, alleging that the application of a hair dye purchased from their local branch had caused her head and neck to break out in blisters, her face and hands to become swollen and her eyesight to be affected. In repudiating liability Messrs. Boots stated that the preparation was sold by them in very large quantities, and the purchaser's condition could not have been due to its use. If they had any doubt on the matter they would not sell the preparation.

Irregular Sale of Poison.—At Belfast Police Court, on May 24, a prosecution was brought by the Inspector of the Pharmaceutical Society of Northern Ireland against Harwood Bros. (Belfast), Ltd., manufacturers' agents, 8 College Square North, for selling poison to an unlicensed agent. Dr. Mills (Ministry of Home Affairs) prosecuted, and Mr. M. McKee defended. Dr. Mills said that the defendants were wholesale merchants, and as such were entitled to sell poisons to certain people, such as chemists and druggists. What happened in this case was that they sold a quantity of "Cowboy" Rat Poison to a man in Kilkeel. Mr. McKee said he would shorten the case by admitting the offence. His clients were the manufacturers of that poison, and a grocer's was the place most people would go to to buy rat poison. When the defendants were told of the incident they withdrew all their supplies from this grocer, who had been sold the poison by an inexperienced traveller who was carrying other goods. Mr. T. Ferguson, J.P., said he thought the defendants ought to have known well enough if they had been in business for any time that they were committing an offence. A fine of 20s., with costs, was imposed.

Judgment by Consent.—In the Chancery Division of the High Court, London, on May 29, actions by Edwards Harlene, Ltd., against Mrs. Arline Constance Hedge and the Original Vegetable Beauty Products, Ltd., came before Mr. Justice Bennett on motions for judgment by consent in both cases. A similar order was made by consent in the two actions. The defendants undertook not to infringe the plaintiffs' registered trade marks and not to sell, offer for sale, or advertise any preparation for the hair or similar toilet articles not of the plaintiffs' manufacture or merchandise as "Arline" in any manner calculated to lead to such goods being passed off as and for the plaintiffs' goods, and not to use as the name of any business carried on by them in the sale of such preparations any name of which "Arline" formed part in such manner as to lead to the belief that such business was the plaintiffs' or was connected with it. Each of the defendants paid £50 as the plaintiffs' agreed costs of the actions. The plaintiffs undertook that if they should at any time deem that they had ground for complaint that the above undertakings were being broken, they would not take proceedings to enforce them until they had notified the defendants in writing and the defendants had for three weeks after the receipt of such notice failed to remove the cause for such complaint.

ELEMENTARY.—"The manufacture of iodine has received a serious setback since synthetic iodine was discovered."—From an article in "The Daily Express."

"THE PRESCRIBER."—The May number of "The Prescriber" is a double number devoted to a review of endocrinology during the past twelve months. This is the fourteenth annual issue devoted to this subject. The price of the number is 3s. 6d. post free.

The Chemical Manufacturers' Directory.—The sixty-sixth edition of this well-known directory has just been issued (price 4s. 6d.) at 75 Chiswell Street, London, E.C.I. It contains the usual particulars of the principal manufacturing houses in Great Britain and Ireland.

# New Companies

#### and Company News

P.C. means Private Company and R.O. Registered Office

INSECTICIDES AND CHEMICALS, LTD. (P.C.).—Capital f100. Objects: To carry on the business of chemists, druggists, etc. R.O.: 204 Great Portland Street, W.I.

The Anton Oil, Ltd. (P.C.).—Capital floo. Objects: To carry on the business of chemists, druggists. Solicitors: J. D. Langton & Passmore, 8 Bolton Street, W.I.

Collins & Jervie, Ltd. (P.C.).—Capital £500. Objects: To carry on the business of chemists, druggists, opticians, etc. R.O.: 6 Sycamore Road, Amersham, Bucks.

Amons (Chemists), Ltd. (P.C.).—Capital £500. Objects: To carry on the business of chemists, druggists, opticians, etc. R.O.: 98 Sandbanks Road, Parkstone, Dorset.

F. H. Davies (Pharmacy), Ltd. (P.C.).—Capital £100. Objects: To carry on the business of chemists, druggists, etc. R.O.: 7 Lessness Avenue, Brampton Road, Bexley Heath, Kent.

Transatlantic Patents, Ltd. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers of and dealers in oxygen, solid, liquid or gaseous, chemicals, etc. R.O.: 11 Waterloo Place, Pall Mall, S.W.1.

Carboloid Company, Ltd. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers of and dealers in disinfectants, antiseptics, dressings, and pharmaceutical preparations, etc. R.O.: 32 Shaftesbury Avenue, W.I.

John Sully & Co., Ltd. (P.C.).—Capital £1,750. Objects: To acquire the business of a manufacturer of antiseptic sweeping powder carried on by John Sully as John Sully & Co., at Dustal Works, Brydges Road, Stratford, E.

ROZOLITE MANUFACTURING COMPANY, LTD. (P.C.).—Capital £5,000. Objects: To carry on the business of manufacturers of and dealers in all chemicals, drugs, medicines, disinfectants, etc. Solicitors: John Hands & Son, 97 Gresham Street, E.C.2.

Infra-Red, Ltd. (P.C.).—Capital £3,000 Objects: To carry on the business of distributors in and for the British Empire, Northern Ireland, the Far East, United States of America, France, Holland, Italy, Spain and elsewhere, of all kinds of Infra-Red apparatus, to manufacture or sell Infra-Red apparatus, etc. R.O.: Aldwych House, Aldwych, W.C.2.

Amovon, Ltd. (P.C.).—Capital £2,500. Objects: To acquire the benefit of the trade mark "Amovon," Nos. 443,329 and 462,656 in Class 3, and No. 443,330 in Class 48, and to carry on the business of pharmaceutical, analytical, photographic and dispensing chemists and druggists, importers and exporters of and dealers in drugs, perfumes, etc. Solicitors: F. G. & H. E. Smith, 33 Kirkgate, Bradford.

Lewis Berger & Sons, Ltd.—The directors announce an interim dividend of 4 per cent. on the ordinary shares, payable on June 8.

The George Town Dispensary, Ltd. (Penang and branches).—At the annual general meeting a final dividend of 12½ per cent. was declared, making 17½ per cent. for the year ended December 31, 1934.

Medical Hall, Ltd. (Singapore).—At the fifteenth annual general meeting held recently final dividends of 5 per cent. on the 10 per cent. cumulative preference shares and 5 per cent. on the ordinary shares for the year ended January 31, 1934, were passed.

Messrs. Newbery & Phillips, Ltd., the sole distributors in Great Britain of Vick brand products, which include the well-known Vick brand Vapour-Rub and Vick brand Lozenges, wish to announce that the company which has been registered as "Vick Chemical Products (Eng.), Ltd.," to which reference was made in our issue of May 19, 1934 (p. 552), as amended in our issue of May 26, 1934 (p. 587), is in no way connected with their principals. It is understood that the Vick Chemical Company are objecting to the registration of the said company under the title in question.

#### Private Arrangement

Arthur Oswald Wilson, 157 Red Bank Road, Bispham, Blackpool, pharmacy proprietor. At the meeting of the creditors, held recently at Blackpool, the statement of affairs showed liabilities of £675 11s. 6d., all due to unsecured creditors. There were also fully secured creditors for £800. The assets consisted of stock £300, put down at £150; fixtures, fittings, etc., £340, estimated to produce £125; cash at bank, £11 14s. 7d.; land at Cromwell Road, South Bank, £130; and life policies £41; making a total of £457 14s. 7d. After allowing £9 for preferential claims, the net assets were £448 14s. 7d., or a deficiency of £226 16s. 11d. It was reported that the debtor commenced the business in July 1930. He had previously traded at South Bank, Yorks, and also at Bellingham in Northumberland with success. The unsecured liabilities included a claim for £438 in respect of monies advanced by the debtor's wife. That claim, however, would be withdrawn and the liabilities reduced accordingly. A resolution was passed confirming the deed of assignment already executed to Mr. C. D. Harrison, whilst a committee was also appointed.

#### Bankruptcy Report

ReJames Lindsay Forrest, 361 Charminster Road, Bournemouth, Hants, chemist and druggist. The debtor attended recently at the Law Courts, Bournemouth, for his public examination. His statement of affairs showed ranking liabilities of £915 10s., with assets expected to realise £58 9s. 4d., leaving a deficiency of £857 os. 8d. He said that he was formerly employed as a grocer's assistant, and in December 1930 agreed to purchase the premises at the above address for £1,650, obtained on mortgage. Debtor commenced trading in January 1931, and during the first twelve months there was a gross profit of about £170, of which debtor had to pay £111 in respect of the mortgage on the premises, and £15 was expended in rates and other overhead charges. In the second year the gross profit was approximately £190. In 1930 the gross profit was about £160, but against that the overhead charges were £168, and he had drawn £156. He added that he borrowed from moneylenders because he was short of capital. The examination was adjourned for the signing of the notes.

# **Business Changes**

Mr. David Auchinvole, chemist and druggist, is opening a pharmacy at Brodick, Arran.

MR. Horace Kilby, chemist and druggist, is opening a business at 404 Sharrow Vale Road, Sheffield.

MISS CICELY G. LEWIS, chemist and druggist, has opened a pharmacy at 16 Swindon Road, Cheltenham.

Mr. Leonard Baker, chemist and druggist, has opened a pharmacy at 2 Scholes Lane, Prestwich, Manchester.

Taylors (Cash Chemists) London, Ltd., have acquired the business of Henry Mellor, Ltd., chemists, Penrhyn Avenue, Rhos-on-Sea.

Mr. J. C. C. Johnston, chemist and druggist, has acquired the business of Mr. Joseph Robertson, chemist and druggist, 255 Great Junction Street, Leith.

### "C. & D." Retail Price List

There is no change in the index figure for drugs and chemicals in the month of May, being 143.6 as in April. The comparative figure for May 1933 was 148.6. In surgical dressings there is no change in prices and consequently the index figure for May remains at 136.0 as in April, and 136.5 in May 1933. The important changes in dispensing and retail prices are given below:—

C	ost			Selling	Price	
d.	per		16 oz. s. d.	4 oz. s. d.	l oz. s. d.	1 dr. s. d.
66 144	oz. lb.	Argentum colloidale Collodium salicyl. co.	_		_	1 5
177	10.	B.P.C C	_	_	1 6	0 3
14	lb.	Dextrosum	1 9	0 7	0 2	_
114	lь.	Ext. damianæ liquidum	_	4 2	1 2	0 2
12	lь.	Glucosum pulv	1 6	0 6	0 2	—
16	oz.	Guaiacol. carbonas	_	_	2 4	0 4
13	oz.	Potassii guaiacolsulphonas	_	_	1 11	0 4
36	dr.	Santoninum	per	gr.	0 2	5 3
27	lь.	Shellac aurant	3 6	1 0	0 4	-
24	lь.	Shellac aurant. sec	3 0	0 11	0 3	-
24	oz.	Sulphonal C	_	_	3 6	0 6
54	lь.	Ung. iodoformi	_	2 0	0 7	0 1

# British Pharmaceutical Conference at Leeds

SCIENCE SESSIONS

Members of the Pharmaceutical Society are reminded that they are entitled to attend the science meetings of the British Pharmaceutical Conference at Leeds. The circular invitation has been sent out to a limited list of people whose names were available, but it will be sent to any member of the Pharmaceutical Society on application to the Joint Secretaries, Leeds Committee of B.P.C., 6 Sovereign Street, Leeds, 1.

#### HOTEL ACCOMMODATION

The Leeds Housing Control again would remind intending visitors to the Conference that they should at once write to the hotel they wish to stay at, as the managers of the hotels are having applications for test match visitors far in excess of their accommodation; if application is made at once, reservation for Conference visitors will be given priority.

#### SCHOOL OF MEDICINE

The visit of the Conference to the Leeds School of Medicine on Wednesday, July 18, should be carefully noted. The Leeds School of Medicine in Thoresby Place is one of the oldest schools of medicine in the kingdom, and is noted for the numbers of eminent surgeons and physicians who have passed through this School. The building is beautifully designed, and in all its equipment is very efficient. The Pharmaceutical and Pharmacological Laboratories and Materia Medica Museum will be open for inspection. B.P. methods of biological assay will be demonstrated. Tea will be served in the Library of the School.

#### Test Match

Applications for tickets for the test match should be made without further delay, as the number of reserved seats is being rapidly absorbed.

The Quebec Pharmacy Bill, of which particulars were given in the  $\mathcal{C}$ . &  $\mathcal{D}$ ., March 31, p. 354, was withdrawn at a recent meeting of the Province of Quebec Government.

# Irish Chemists' Golfing Society

### Annual Tournament at Bundoran

HE great sporting event of the year for pharmacist golfers in the Irish Free State took place on May 14, 15 and 16, when the annual tournament of the Irish Chemists' Golfing Society was held at Bundoran. The fixture this year attracted a representative and enthusiastic gathering of chemists from many parts of the country. A large party left Dublin on the Monday morning in reserved rail accommodation, and en route they were joined by colleagues at Skerries, Drogheda and other centres. The West sent a particularly good contingent, Galway, Sligo, Westport and Boyle being well represented. One of the most gratifying features from the Society's point of view was the

GROUP AT GALWAY

Seated (left to right); F. X. Meagher, J. Whelan (Galway), J. F. Costello (Captain), A. D. Davidson, J. McDonald, R. Bates, P. Kavanagh (Galway). Standing: B. Smith, E. MacManus, J. J. Roche, J. Gilmartin, P. Fahey and others.

number of new faces. Although the weather was unfavourable at times, the visitors to the fine links at Bundoran enjoyed some good golf during the bright intervals. One aspect of this year's outing on which everybody is eloquent was the excellence of the arrangements made at the Great Northern Railway Hotel for the visitors' comfort.

The first of the competitions started on the afternoon of May 14, but the principal events began on May 15, when the game for the captain's prize (presented by Mr. J. F. Costello, M.C.P.S.I., this year's captain) was

played off, the victory going to pharmacy's local representative, Mr. J. Gilmartin, Bundoran. Despite weather conditions the scoring was up to a high standard. The competitions continued on May 16, and in the evening the social side of the meeting came into prominence when a dinner was held at the Hotel, at which the captain presided. At the conclusion of the repast a vote of thanks was accorded to the secretary (Mr. A. F. Roche) and the treasurer (Mr. R. Bates) for the efficient way in which they had organised the tournament. An expression of thanks from the Society was also tendered to Mr. Narramore, the manager of the Hotel, for the faultless arrangements he had made for the visitors' comfort. Subsequently the prizes were distributed to the winners as follows:—

Captain's prize won by Mr. J. Gilmartin, Bundoran. Messrs. Coty's prize won by Mr. J. J. Roche, Dublin. Nyal prize won by Mr. A. Maher, Drogheda. Bayer prize won by Mr. P. Cahill, Whitehall, Dublin. Mentholatum prize won by Mr. J. Gilmartin, Bundoran. Dublin Drug Co.'s prize won by Mr. J. Gilmartin, Bundoran. Dublin Drug Co.'s prize won by Mr. T. Toher, Sligo. Ayrton, Saunders & Co.'s prize won by Mr. A. Maher, Drogheda. Heath Bros.' prize won by Mr. J. Whelan, Galway. Eno prize won by Mr. A. D. Davidson, Dublin. Colgate-Palmolive-Peet prize won by Mr. J. Gilmartin, Bundoran. Allen & Hanbury's prize won by Mr. T. Stack, Westport. Kolynos prize won by Mr. A. F. Roche, Donnybrook. Bourjois prize won by Mr. E. MacManus, Chapelizod. Boileau & Boyd's prize won by Mr. P. Kavanagh, Galway. Irish Pharmaceuticals' prize won by Mr. J. McCormack, Milford. Tek prize won by Mr. E. MacManus, Chapelizod. Evans Sons Lescher & Webb's prize won by Mr. J. McCormack, Milford. Tek prize won by Mr. A. Maher, Drogheda. Erasmic cup won by Mr. A. F. Roche, Donnybrook. Maw cup won by Mr. P. Ryan, Boyle. Hanna cup won by Mr. R. Bates, Dublin.

The next important golfing event will be the competition for the B.D.H. cup between the chemists of Northern Ireland and the Free State to be played off at Warrenpoint, co. Down, on June 13. The cup is held at present by Northern Ireland. Those wishing to participate who have not already received circulars can obtain copies from Mr. A. F. Roche, 34 Donnybrook Road, Dublin, or from Mr. W. J. Rankin, 11 Waring Street, Belfast. Special travelling facilities are being provided for members leaving Dublin, and those intending to go by rail would assist very much if they would notify Mr. A. F. Roche some days before June 13, so that the necessary accommodation may be reserved.

# Dental Board of the United Kingdom

The twenty-sixth session of the Dental Board of the United Kingdom opened at 44 Hallam Street, London, W.I, on May 9, the chairman (the Rt. Hon. Sir Francis Dyke Acland, Bt.) presiding. Following the roll call came the

CHAIRMAN'S ADDRESS,

which opened with a reference to the death of Sir Donald MacAlister and that of Mr. D. M. Cowan, a former member of the Board. This session being the final one of the present Board, the chairman took the opportunity of giving some statistics derived from past Registers and financial statements. He said:—

The Register . . . . consisted of 5,831 at the time of the passing of the Dentists Act of 1921. It now contains 14,425 names. The number of those who paid the retention fee by the due date in January 1925, when the bulk of the work of original registration had been dealt with, was 8,579 out of 9,280 associations. This has risen to 10,211 out of 10,546 applications for the present year. There are now approxi-

mately 4,200 on the Register who do not pay the fee, a decline of over 1,600 since 1921. Of those on the Register, a little under 7,500 are licentiates in dental surgery, and rather over 6,500 are dentists under the 1921 Act, a few of them holding in addition other qualifications. The number of dentists under the 1878 Act is 404. . . .

The total income has been £522,000, out of which our general expenses, including expenses charged by the General Medical Council, have been £136,000, and the cost of our premises £32,000. We have allocated as grants to students £173,000, as grauts to dental schools for extension and equipment £53,000, for research £52,000, for dental health education £34,000, together with grants in aid of teaching in dental schools £10,000, and £5,000 each to post-graduate lectures and post-registration lectures. We have also set aside £2,000 as a fund for loans to students. We have a general reserve of £20,000. The annual retention fee was reduced from £5 to £4 in 1927, and further reduced to £3 for the year 1933 and £3 10s. in the current year to meet the prevailing financial stringency. This created a deficiency of nearly £10,000 in 1933, and will result in a deficiency of about £4,000 this, year. Apart from the

general reserve, there are special reserves for certain purposes, which may not be needed for the purposes for which they were originally allocated, and we shall have to fall back upon them, and possibly upon the general reserve, in order to meet our prospective deficit. If grants are continued the processor without our substantial allocations. at the present rate, without any further substantial alloca-tion for special purposes, our accounts should show a small favourable balance next year, when the retention fee will again become £4.

The chairman proceeded to analyse the grants made by the Board, and announced with regret the withdrawal of grants to the Department of Scientific and Industrial Research and to the Medical Research Council. The remainder of the address was largely devoted to an exposition of the recent work of Mrs. Mellanby.

#### DISCIPLINARY CASES

The hearing of charges against dentists filled the greater part of the three-days' session. The first case taken was one adjourned in November 1933. The respondent was Mr. John Holden Beckett, L.D.S., 10 St. Peter's Street, Leicester, who had been convicted twice of travelling on a railway without paying his fare. The Board now decided to report that his name should be removed from the Register. The same decision was reached in two other cases during the session. The

respondents were Mr. Nathan Moss, 29 Shoot-up-Hill, London, N.W.2, and Mr. Laurence Louis Symmonds, L.D.S., 58 High Street, Bargoed, Glam., who were found guilty of practices relating to advertising and canvassing.

The remaining charges were of various types. The case of Mr. Alfred Curry, 12 Ivanhoe Terrace, Chesterle-Street, charged last November with "covering" an unregistered person, was discharged, his name being retained on the Register. Mr. Henry McKenzie, L.D.S., 17 Hillside Crescent, Edinburgh, was again before the Board on charges arising from disorderly conduct, and was given six months in which to produce suitable testiwas given six months in which to produce suitable testimony to his character. Mr. Raphael Rosefield, L.D.S., ltony to his character. Mr. Raphaer Roscheld, 12.1.5.5., 12.1 Claremont Road, London, E.7, charged with using lettering and other material of excessive size, was discharged with a caution. Mr. James Augustus Falconer, L.D.S., 32 Oaklands Road, London, N.W.2, who appeared in consequence of a conviction for obtaining money by false pretences, was given twelve months in which to re-establish himself. Mr. John Rowat Gibson, 3 Mill Street, Rutherglen, who had been summoned as a sequel to wrongfully obtaining payment, was ordered to report himself, with adequate testimony, at a future session. Mr. Felix Kavanagh McGuire, High Street, Llandrindod Wells, who had been convicted of theft, was told that his name was retained on the Register.

# A New Stoke Newington Pharmacy

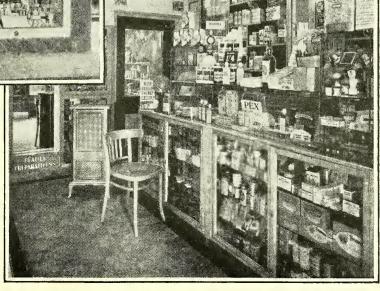
NHE pharmacy of Russ, Ltd., 16 Church Street, Stoke Newington, London, N.16, is charac-terised by several pleasing features. The double

in a light pleasing veneered wood, and the drug run is fitted with shelving in the modern style, and dispensing

screen, counters, display cases, etc., are all mirror backed, and have sliding doors of plate-glass wherever possible. The whole interior gives the impression of distinctiveness coupled with cosiness. The windows are well lit by lamps set in parabolic reflectors mounted in the soffit cavities. It is found that the transfer of interior is a soft of the control of that the maximum efficiency of illumination is Two 200-watt lamps effectively illuminate both the pavement and the "Chemist" facia at night, whilst an embossed carboy sign in cellulose acetate adds "atmosphere" by green and red illumination.



facia has the lower part recessed and facta has the lower part recessed and fitted with zinc-blocked staybrite-faced lettering "Chemist" against a black ply panel. The top part is dark-blue glass with gold lettering of name and departments. The windows present a bold setting in beige Roman stone mounted on Tinos green marble plinths. The triple front is designed for maximum surface display of an 18-ft. frontage. A wide lobby, floored in terrazzo, lead to the side entrance. The timber is of first-quality oak and the entrance door is of imposing appearance with staybrite fittings in harmony with the general character of the shop. The interior is furnished



# Lemonade Powders

By Alfred B. Searle

HE profit on a home-made lemonade powder can easily be three times that on a well-advertised proprietary brand, and a chemist who supplies what really pleases his customers has little to fear from the large producers. The only advantage possessed by the bigger manufacturers is the use of efficient grinding machinery, but this is more than counterbalanced by advertising expenses. Where retailers lose is chiefly in the less attractive form in which they supply their own products, but this is a matter which can easily be put right, as there are several makers now willing to accept quite small orders for original cartons and other packages which can be as attractively printed as those used by the largest manufacturers. More use may also be made of the wholesale houses who will supply lemonade powders in bulk to any formula or to their own. Lemonade powders are of two kinds—still and effervescing.

#### STILL LEMONADE

consists essentially of a mixture of citric and tartaric acids and sugar with sufficient oil of lemon to impart a fruity flavour. A typical recipe suggests:—

... 1 lb. ... 2 lb. Tartaric acid ... . . . Sugar ... ... ... Oil of lemon ... ... ... 20 drops

The proportions may, of course, be varied to almost any extent. The acid and sugar (both in fine powder) should be mixed, the lemon oil added, and the mixing continued.

#### Effervescent Lemonade

is essentially sodium bicarbonate, a solid acid (such as citric or tartaric), sugar, and lemon oil or other flavouring. A convenient mixture consists of:-

> Sodium bicarbonate 60 parts Tartaric acid 55 parts Sugar ... ... 120 part
> Oil of lemon ... to taste 120 parts

As the acid in lemons is chiefly citric, it might be supposed that this would be preferable to any other in lemonade powder. This is not the case because citric acid is highly hygroscopic, so that its crystals absorb moisture from the air and form matted lumps or granules which do not dissolve readily in the preparation of still lemonade. In effervescing lemonade the citric acid, after absorbing moisture, reacts with the bicarbonate, forming unpleasant aggregates or granules and reducing the amount of gas produced. Tartaric acid is free from this defect and is, consequently, largely used as the basis of lemonade powders. From time to time statements are made that by suitable treatment the moisture-absorbing property of citric acid crystals can be destroyed, but no certainty in this direction has yet been reached. The nearest approach to it consists in adding gum tragacanth to the acid solution from which the crystals are obtained. It is then possible, under strictly controlled conditions, to obtain crystals suffi-ciently coated with gum to be impervious to moisture in the air. Such a process, even if successful, would be useless to those who wish to prepare lemonade powders on a small scale.

#### FLAVOURINGS

The chief attraction which chemists can provide is in the form of fresh flavours, and, for these, much ingenuity is required. It is possible to mix crystals of citric acid with various flavouring syrups and to dry the product, but great care is needed to avoid overheating, as most of these flavourings are very volatile. Some of the synthetic flavourings are better in this respect, but unless skilfully selected they leave an unpleasant tang after the "lemonade" has been swallowed. The most successful flavourings are lemon, strawberry, cherry, raspberry, pineapple, pear, ginger, orange. A much larger variety of flavours can be supplied if the materials are sold in of havours can be supplied if the materials are sold in the form of a liquid and not in that of a powder, as this enables fruit juices to be employed. These liquid "essences" are made in the same way as the still lemonade powders, but the flavouring is liquid. A little water is sometimes added to ensure that the whole of the material is in solution, but in some localities a mixture of crystals and liquid sells readily. It is not, however, so attractive as a bright-clear solution.

#### COLOUR

The brilliant yellow colour of most lemonade powders is produced by adding a little aniline yellow or other synthetic dye to the solution from which the acid crystals are prepared, but this is not practicable on a small scale. For the same reason, red and other colours derived from fruit juices are inapplicable to small-scale manufacture. Various shades of yellow can be obtained by macerating saffron or turmeric in alcohol and then adding the resultant tincture to the acid or the lemonade powder, before grinding. The tendency of this method is to produce a very uneven colouring so that it is usually better to avoid colorants when working on a small scale with prepared ingredients. If the powder is purchased in bulk, the manufacturers will provide the colour and be responsible for its uniform distribution.

# Sodium Carbonate Monohydrate

ODIUM carbonate monohydrate is a compound of sodium carbonate (Na<sub>2</sub>CO<sub>3</sub>) and water, having the chemical formula Na<sub>2</sub>CO<sub>3</sub>.H<sub>2</sub>O and containing, when pure, 85.48 per cent. of sodium carbonate. The product is in the form of rounded crystals, which are attractive in appearance and possess a high degree of artractive in appearance and possess a high degree of purity. Three grades are available—large, medium and small. These are graded by means of sieves having apertures of the following sizes: Large—through  $\frac{3}{16}$  in. and retained on  $\frac{1}{16}$  in.; Medium—through  $\frac{1}{3}$  in. and retained on  $\frac{1}{16}$  in.; Small—through  $\frac{1}{16}$  in. and retained on

#### Composition and Properties

The purity of the product is indicated by the following standards:-

Sodium carbonate monohydrate (Na<sub>2</sub>CO<sub>3</sub>.H<sub>2</sub>O)—not less than

99.4 per cent.
Total impurities (other than water) not more than 0.025 per cent.

per cent.

Water (other than that present as sodium carbonate monohydrate)—not more than 0·6 per cent.

Iron ... (Fe) ... not more than 0·00075 per cent.

Aluminium ... (Al) ... not more than 0·0005 per cent.

Calcium ... (Ca) ... not more than 0·00075 per cent.

Magnesium ... (Mg) ... not more than 0·0003 per cent.

Sulphate ... (SO4) ... not more than 0·0007 per cent.

Chloride ... (Cl) ... not more than 0·001 per cent.

Arsenious oxide (As4O6) ... not more than 1 part per million

Lead ... (Pb) ... not more than 1 part per million

Sodium carbonate monohydrate undergoes no appreciable chemical change and retains its attractive appearance during storage and exposure to air under normal conditions even at the highest temperatures attained in

tropical countries. It dissolves in water, giving a clear colourless solution of sodium carbonate. At 20° C., 100 parts of water by weight dissolve 26.5 parts of the crystals, giving a solution containing about 18 per cent. of sodium carbonate (Na<sub>2</sub>CO<sub>3</sub>) by weight. By reason of its chemical purity, the product can be used as a laboratory reagent for general work and for any manufacturing process in which a pure solution of sodium carbonate is required. It is specially suitable as a reagent in the preparation of refined sodium compounds for pharmaceutical and other purposes when the process of manufacture involves the use of a solution of sodium carbonate or of sodium carbonate in solid form, provided that in the latter case the presence of a small amount of water is not objectionable. It may be applied with advantage in any industrial process in which sodium carbonate is used when the relatively high proportions of impurities contained in the ordinary commercial forms of this material (soda ash and soda crystals) have a deleterious effect on the efficiency of the process and on the quality of the final product.

#### The Preparation of Bath Crystals

Under normal conditions in a temperate climate graded soda crystals (sodium carbonate decahydrate, Na<sub>2</sub>CO<sub>3</sub>roH<sub>2</sub>O) are specially suitable for the manufacture of bath crystals, on account of their marked watersoftening properties and attractive appearance. Bath crystals are prepared by treatment with the appropriate dyes and perfumes. It is known, however, that bath crystals prepared from soda crystals are not satisfactory for export to tropical countries because they melt at a relatively low temperature (32°C. = 90°F.), and for this reason other crystalline compounds are frequently employed in the preparation of a product suitable for sale in countries where the prevailing temperature is high. Such substitutes for soda crystals are usually inefficient water-softening agents and they cannot therefore be regarded as satisfactory for use as bath crystals. The stability of the various grades of sodium carbonate monohydrate, which are now available, makes this product eminently suitable for the preparation of bath crystals for foreign markets and its use enables the manufacturer to take full advantage of the water-softening properties of sodium carbonate. The crystal agglomerates can be coloured in a large variety of tints of differ-

ent shades and the product thus obtained is particularly attractive and pleasing in appearance. The most satisfactory method of colouring consists in sprinkling the crystals with the minimum amount of an aqueous solution of the dyestuff, followed by brisk and thorough The mixing may be effected by hand stirring on an open tray, but more satisfactory results are obtained by an efficient mechanical mixer. The concentration of the dyestuff solution must be varied according to the depth of shade required, but shades of moderate intensity can be obtained by using solutions containing 0.05 per cent. to 0.50 per cent. of the dyestuff. In the preparation of the solution care should be taken to ensure that the dyestuff is completely dissolved before it is applied to the crystals, as the presence of undissolved particles will give rise to uneven coloration and an unsatisfactory product. It is recommended that the solution should be prepared by making up a weighed amount of the dyestuff in the form of a thin paste with cold water and then adding boiling water gradually and with constant stirring until the required concentration is obtained. The solution should be allowed to cool before it is added to the crystals. The proportion of solution required is 2 fluid ounces to 12½ lb. of crystals, and in order to prevent dissolution of the crystals this proportion should not be exceeded. The following dyestuffs are specially recommended for colouring sodium carbonate monohydrate:

Yellow: Metanil Yellow YKS Lissamine Fast Yellow 2GS Orange: Naphthalene Fast Orange 2GS

Pink: Rhodamine BS Red: Azo Geranine 2GS Violet: Soap Lavender 4504 Blue: Disulphine Blue VS.

If the desired shade is not given by the use of any of the individual dyestuffs, they may be mixed in any proportions and a large variety of tints thus obtained. Perfumes may be applied either during the colouring operation or immediately after the dyestuff solution has been added to the crystals. If the perfume is added with the dyestuff solution the subsequent mixing ensures even distribution of the perfume and colour. As the addition of perfume tends to change or intensify the shade to a slight exent it is suggested that when accurate reproduction of a particular tint or shade is required, small-scale tests should be carried out.

# British Dyestuffs Industry

The following particulars of production in the United Kingdom during 1933 of synthetic organic dyestuffs, based on returns furnished by the principal British dye makers, have been compiled by the Board of Trade: -

Category	Blacks	Blues	Browns	Greens	Oranges	Reds	Violets	Yellows	Total
Direct cotton dyestuffs Acid wool dyestuffs Chrome and mordant dyestuffs (including alizarine) Basic dyestuffs Sulphide dyestuffs Vat dyestuffs (including indigo) Lake-making and pigment dyestuffs Cellulose acetate silk dyestuffs Oil, spirit and wax dyestuffs Unclassified Aggregate total	2,260,095 2,979,125 10,796 6,156,707 252,138 93,512 352,258 372,216 102,634	Lbs. 1,409,036 1,811,939 593,698 759,555 520,353 4,868,839 24,133 651,413 525,915 63,611	Lbs. 907,066 212,687 1,134,316 275,296 1,027,007 318,761 44,209 7,430 20,101 74,290 4,021,163	Lbs. 162,136 478,248 40,203 318,887 39,436 921,824 191,695 1 901 6,041	Lbs. 392,180 1,131,208 332,221 150,651 22,280 259,263 1,164 156,441 19,889 8,413 2,473,710	Lbs. 1,115,192 2,145,996 1,918,432 625,283 9,946 351,110 1,348,036 212,678 27,473 38,499 7,792,645	Lbs. 135,007 544,499 32,351 502,468 149,809 22,849 107,269 29,028 1,231	Lbs. 1,356,972 1,492,600 456,329 500,009 91,871 200,982 136,326 170,545 40,196 46,851	Lbs. 8,820,373 10,077,272 7,486,675 3,142,945 7,867,600 7,322,726 1,861,924 1,658,935 1,035,719 *3,671,597

<sup>\*</sup> Including quantities not separately distinguished.

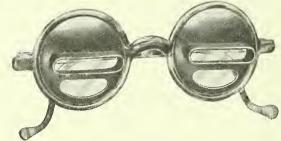
The total productions of all classes of dyestuffs produced in the United Kingdom for the years 1922 to 1933 were as follows:-

	Year Total		Year	Total	Year	Total	Year	Total	
1922 1923 1924			Lbs. 23,832,967 33,100,719 33,242,704	1925 1926 1927	Lbs. 32,693,402 30,297,000 39,551,756	1928 1929 1930	Lbs. 50,960,472 55,785,032 42,590,243	1931 1932 1933	Lbs. 48,621,073 49,380,266 52,944,866

### Trade Notes

Insulin.—James Woolley, Sons & Co., Ltd., Victoria Bridge, Manchester, announce a further reduction in the prices of Leo insulin.

SUN SPECTACLES.—Cleevis, Ltd., 5 Rampayne Street, London, S.W.r, have introduced a new model of their



sun spectacles. The improvement permits a downward view and so facilitates a change from distant to near vision or vice versa.

CHARLES ZIMMERMANN & Co., Ltd., St. Mary-at-Hill, London, E.C.<sub>3</sub>, have been appointed representatives in this country for the Corona brand castor oil of Albert Sanguinetti, Marseilles.

PHARMACEUTICAL PRODUCTS, LTD., Lawrence Road, Tottenham, London, N.15, in their advertisement in this issue, publish the revised prices for New Era eau de Cologne. On the same page the company refer to the national advertising in connection with Eau Dentifrice Dr. Pierre.

A FORTY-EIGHTH ANNUAL "KELLY."—The 1934 edition of Kelly's "Directory of Merchants, Manufacturers and Shippers of the World" (the forty-eighth) is, as usual, published in two volumes at 64s., post free, by Kelly's Directories, Ltd., 186 Strand, London, W.C.2. The work contains over 1,500,000 trade names and 20,000 place names. The instructions for use and the indexes are printed in four languages. Volume I deals with foreign countries and their possessions; Volume II with Great Britain, India and the British Dominions, Colonies, Protectorates, Dependencies and Mandated Territories. The part of Volume II dealing with Great Britain is conveniently subdivided, and includes a separate section for London and its suburbs. We know of no annual publication that can take the place of this.

THORNTON & ROSS, LTD., Milnsbridge, Huddersfield, have introduced a new range of seasonable lines (beach oil, suntan oil and so forth) packed in the attractive style of the Pennine sunburn cream shown in the accom-



panying illustration. These preparations are intended to sell at a popular price, and a full size sample bottle will be sent free to any chemist who is not already acquainted with them. Embossed showcards are supplied with each order.

Australian telegraphic addresses.—The first issue of Sell's Directory of Registered Telegraphic Addresses of the Commonwealth of Australia, published at 20s. by Business Dictionaries, Ltd., 8 and 9 Johnson's Court, London, E.C.4, is an event of considerable interest to export merchants. The information on which the Directory is based has been supplied by the Postmaster-General of the Commonwealth. Telephone numbers and a classified trades list are other features of a work which should assist materially in facilitating trade with Australia.

"Suppression of Weeds by Fertilisers and Chemicals" is the title of a brochure published by Mr. H. C. Long, B.Sc., of the Ministry of Agriculture and Fisheries. The literature on this subject is very extensive and so the author has prepared a simple and concise account which will prove most useful to chemists in agricultural districts. Among the chemicals dealt with are ammonium sulphate, calcium cyanamide, sulphuric acid, iron and copper sulphates, kainit, chlorates and compounds of arsenic. The brochure, published at 2s., is obtainable from Mr. H. C. Long, "The Birkins," Orchard Road, Hook, Surrey.

FLIT.—Stemco, Ltd., 128 Albert Street, Camden Town, London, N.W.1, inform us that reduced prices for Flit

will come into operation on June r. The sizes affected are the 4 oz. tin, the 8 oz. tin and the hand sprayer. The show-card, of which an illustration is reproduced, is being issued by the company to draw attention to the new Flit powder, to which reference was made in a recent issue of the  $C. \odot D$ .



ELASTOPLAST DOCTOR'S OUTFIT.—T. J. Smith & Nephew, Ltd., Neptune Street, Hull, are supplying what is described as a doctor's set of Elastoplast dressings. The outfit contains 117 self-adhesive dressings (wound, boil, finger and crosswise strips) neatly packed in an enamelled metal box measuring 10 in. by 4 in. by 2 in. These sets should prove most useful in factory dressing stations, surgeries and hospitals. The manner in which the dressings are packed in the box can be seen from the illustration in the company's advertisement in this issue. Messrs. Smith & Nephew are now exhibiting at British Industries House.

# Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1934, p. 304.

(From "The Trade Marks Journal," May 23, 1934.)

"RONOL"; for disinfectants (2). By Ronuk, Ltd., Victoria Road, Portslade, Nr. Brighton. 549,113. (Associated.)

"Parenex"; for medicinal chemicals (3). By Paines & Byrne, Ltd., Bilton Road, Greenford, Middlesex. 549,089.

"Halivite"; for medicinal preparations containing halibut liver oil (3). By Scott & Bowne, Ltd., 10-11 Stonecutter Street, London, E.C.4. 549,856.

"Atkem"; for all goods (3). By Atkem, Ltd., 67 Church Street, Leigh, Lancashire. 550,002.

"Phebel" on shield device of knight, lilies, etc. (flower devices disclaimed); for all goods (48). By M. Sébalt, 163
Rue du Faubourg St. Honoré, Paris. 548,859. (Associated.)

### Births

Notices for insertion in this column must be properly authenticated.

GRANT.—At 14 Wallacefield Crescent, Troon, on May 24, the wife of G. F. Grant, chemist and druggist, of a son.

# **Marriages**

Baldock—Heap.—At Dunstable Priory Church, Beds, on May 21, Eric George Baldock, M.P.S., to Julia Charlotte Heap, daughter of Mr. Percy Heap, Dunstable.

LEE—MEE.—At Granville Road Methodist Church, Sideup, on May 5, John Henry Cuthbert Lee, chemist and druggist, son of Councillor H. C. Lee, Ph.C., 16 Silver Street, Gainsborough, to Constance Edna Mee, Sideup.

McBride—Dunn.—At Richhill Presbyterian Church, Armagh, on May 16, Edward Carlisle McBride, only son of Mr. A. C. McBride, J.P., Ph.C., Armagh, to Elizabeth Dunn.

Marks—McClughan.—At Finaghy Parish Church, Belfast, on May 15, Samuel John Marks, Ph.C., Belfast, to Georgina McClughan.

Munachen—Nash.—At St. Mary's Church, Abergavenny, on May 21, George Robertson Munachen, chemist and druggist, to Ethel Nash.

### **Deaths**

Baker.—At Wells Moor, Orpington, on May 22, Mr. Henry Baker, chemist and druggist, proprietor of Jones & Co., chemists, 161 New Cross Gate, London, S.E.14, aged fifty-one. Mr. Baker served his apprenticeship in Manchester. After qualifying he had experience in London and in the South of France. In 1913 he purchased the business of Jones & Co., which he successfully developed, his sound advice and genial personality making him extremely popular. The funeral took place on May 26 at Orpington Parish Church, and many floral tributes were sent by relatives and friends.

HARDIE.—At Isleworth, on May 26, Mr. Robert Stout Hardie, chemist and druggist, Hounslow, aged forty-three.

Hodgson.—On May 9, Mr. John William Hodgson, chemist and druggist, 471 High Road, Leyton, London, E.10, aged fifty-six. Mr. Hodgson, who was a native of Lancaster, went to Leyton about forty years ago, and was for some time in partnership with Mr. T. T. Leighton, afterwards becoming sole proprietor.

Hughes.—On May 27, suddenly, Mr. Albert Hughes (Hughes & Hughes, chemical colour merchants, 35 Crutched Friars, London, E.C.3), aged sixty-one. Mr. Hughes was one of the best-known personalities in the chemical trade, both in this country and abroad.

Peverell.—At his residence, British Avenue, South Church, recently, Mr. Arthur Peverell, chemist and druggist, for many years in business at Eldon Lane, co. Durham, aged fifty-two.

Rowsell.—At Kersell, Sedley Taylor Road, Cambridge, on May 25, Florence Elizabeth, wife of Mr. Philip F. Rowsell, J.P. (past-president of the Pharmaceutical Society), "Nutbrook," Exmouth, Devon. The cremation took place at Golders Green, London, N.W., on May 28, and a memorial service was held at Withycombe Methodist Church at the same time.

SINCLAIR.—On May 20, Mr. Harry E. Sinclair, partner and representative of James Sinclair & Son, druggists' sundriesmen, 26 Marshalsea Road, London, S.E.I. Mr.

Sinclair was well known by chemists in the West Country and along the South Coast, which area he had covered for the last quarter of a century. The business is being carried on by the remaining partner, Mr. F. T. Maish, who has been associated with the firm for upwards of thirty-five years.

Thomas.—At Wavertree, Liverpool, on May 12, Mr. Owen Edward Thomas, chemist and druggist, aged sixty-five.

WYATT.—At Stanley Hospital, Liverpool, on May 22, Mr. Harold Wyatt, J.P., Ph.C., 223 Stanley Road, Bootle, president of the Liverpool Chemists' Asso-

ciation, aged seventy-one. Mr. Wyatt, who passed the Major examination in 1887, succeeded his father in business. He was president of the Liverpool Association in 1901-02, and in 1907 was elected to the English Board of Examiners of the Pharmaceutical Society. This year he was again in office as president of the Association. Mr. Wyatt had an international knowledge pharmacy, and his monographs on dispensing problems made his name familiar in many countries.



MR. H. WYATT, J.P., PH.C.

In 1920 he was appointed to the magisterial bench. Mr. Wyatt was a Past Master of the Bootle Fellowship Lodge. In earlier years he served as a sergeant in the King's (Liverpool) Regiment. He leaves a widow and a son, who is an architect. Tributes to Mr. Wyatt were paid at Bootle Police Court on May 23 by the presiding magistrate (Councillor R. O. Jcnes), Councillor J. O'Neill, Mr. H. Sandiford (magistrates' clerk) and the chief constable. Prior to the interment at Kirkdale Cemetery, Liverpool, on May 26, a service was held in St. Mary's Parish Church, Bootle. Among the large congregation were the Mayor of Bootle, Mr. John Rae (vice-president of the Liverpool Chemists' Association), Mr. Frank Snow (president of the Birkenhead and Wirral Pharmacists' Association), Mr. L. Moreton Parry, Mr. M. S. Hughes, Mr. J. L. Hirst, Mr. W. J. Tristram, Mr. J. G. Wallbridge, Mr. A. J. Jones, Mr. J. Allen Jones, Mr. A. J. Ferriday, Mr. Nixon, Mr. T. Stephen Jones, Mr. C. H. Wright and Mr. G. Hale.

# **Personalities**

 $\mbox{Mr.}$  O. E. Hickson, chemist and druggist, has been granted leave to practise in the island of Jersey.

Mr. George Evans, chemist and druggist, Nanty-ffyllon, won his ninth bardic chair at the recent South Wales Chair Eisteddfod held at Treorchy.

Mr. Elkan M. Jackson, of The London Rubber Co., London, E.C.1, has taken over the journey formerly covered by his brother, the late Mr. Lionel A. Jackson.

Mr. J. Wicliffe Peck, Ph.C., pharmaceutist of the Great Ormond Street Children's Hospital, London, W.C., has been appointed consultant pharmaceutist to National Drug Industries, Ltd., Emmott Street, Mile End, E.I.

Mr. T. Edward Lescher, O.B.E. (managing director of Evans, Sons Lescher & Webb, Ltd.), has been elected vice-chairman of the Liverpool Chamber of Commerce. Mr. Lescher is also vice-president of the Liverpool Junior Chamber of Commerce.

An unusual function fell to the lot of Mr. William Maskew, Ph.C., of Hertford, who, with Mrs. Maskew, recently laid foundation-stones to inaugurate the building of a new rectory at Belton, Great Yarmouth. An account of the ceremony appeared in the "Yarmouth Mercury."



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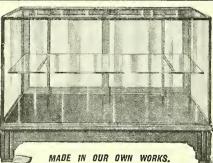
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## Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

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S/30. Dr. Macuona Compound K/26. Lucy Attwell toilet T/29. Nectorine (for grey-hounds) Y/26. Sanicrepe toilet paper S/24. Thermoset shaving brushes

E/23.

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THE

# CHEMIST AND DRUGGIST

VOL. CXX.

JUNE 2, 1934

NO. 2834

### Shopkeeping without Shops

In spite of all the efforts of trade associations, there are thousands of people in this country who purchase a large part of their requirements throughout the year without the functioning of the shopkeeper, and at prices below those charged by him. Either they buy direct for their own consumption, or they buy for their friends. They may be members of a "guild," a "club," a "canteen"—or they may know someone who is. Even articles of the proprietarymedicine type with protected retail prices come into the category of goods that can be obtained by this method. The goods are obtained at approximately wholesale prices; and if anyone speaks to the buyers or users on the subject suggesting that it is unfair to the tradesman that they should merely go to him in an emergency, or when they want some particular service, apart from the supply of goods, they take the attitude that it is perfectly right. The extent of the trade carried out under these conditions is almost unbelievable. It is done in several ways. In the office of an insurance company, a bank, a police station, fire station or Government department, someone will write to various wholesalers asking what discount can be given, or if members of the staff, or anyone coming with a card from the particular office, can have goods at wholesale prices. Another method is that goods are distributed at the office. member of the staff will take out a tobacco licence at his home address; thus being in a position to get supplies, he takes them to his office and sells them at a very small profit to the rest of the staff. It is obvious that this can be done, for he has no rent, rates, heat, light nor any other overhead expense to meet. Some of the principal insurance companies and banks, and even Government departments, are among the largest buyers of certain articles. It has been stated that one insurance company alone, through its canteen department, is a bigger buyer of silk stockings than any of the large stores in London. This matter was raised some time ago at a Council meeting of the Liverpool Chamber of Commerce, when Mr. T. Edward Lescher, O.B.E., managing director of Evans Sons Lescher & Webb, Ltd., and vice-chairman of the Chamber, stated that widespread hardship was being inflicted on retailers by the system of trading carried on by clubs formed among the staffs of large firms and corporations. He expressed the hope that those in authority would do all in their power to stop it.

#### Even Self-Interest may Suggest Wisdom

It must be obvious to the directors of banks and insurance companies that, as their business very largely depends upon the retail trader, if they are going to allow their staffs by this means to put the retail trader out of business, their own business will

suffer. If only those people working in the offices directly benefited by this method, it would not be so serious as it is. It is known, however, that other people can buy any quantity of goods at these low prices: in fact, the more they buy, the better pleased are the organisers, for they can then show justification in having an account with wholesale firms. A member of the staff who can buy for twenty or thirty friends and their families is an asset to such an organisation. So far as Government departments are concerned, it is obviously against all their rules that these things should go on, but they do go on, in spite of rules and regulations. Occasionally someone is found doing this kind of thing, and a well-deserved reprimand is administered, but in the main little is done by either the Government or municipal bodies to stamp out this form of trading.

#### Systems in Canteens

The canteens associated with many of the large offices are the worst culprits of all. They purchase the goods and allow their members to have them at little over cost price. (The supply of meals is on a different footing.) As a rule they have an arrangement with the firms from whom they deal that large articles, such as furniture, pianos and other things connected with housekeeping, can be obtained on wholesale terms subject to a card or order being signed by the canteen buyer or secretary. Small articles are sold in the canteen. Some firms have special travellers whose only job is to call at large offices with a view to selling their goods to the members of the staffs. There are several methods adopted:—

(1) To get a direct order occasionally—the first will be

accepted on sale or return.

(2) To get one member of the staff to go round among his fellows with a price list getting such orders as he can. Then he gives the bulk order to the traveller on his next call. He himself is recompensed by getting a cash discount.

(3) To employ a traveller taking individual orders and delivering them in one parcel to be divided out by the

staff.

This is a form of price cutting which is grossly unfair, not only to the shopkeeper, but in the main also to the employer. The employer, whether it is the Government, a municipal body, an insurance company or a bank, is paying office rent and salaries for time which is being used for purely private purposes and private gain. When representations have been made to those in authority, in many instances it has been found that they have not known. nor have they given permission, that their offices should be used and their employees' time devoted to these purposes. The shopkeeper cannot meet this competition, for these amateur shopkeepers buy at the same price as he buys. The retail chemist is sometimes helping towards his own undoing by carrying out similar methods. There are areas in the country where retail chemists have formed definite buying associations, and are buying as wholesalers on wholesale terms, but they have a depôt, and are in fact genuine wholesalers. There are others, however, who have no depôt, but try to buy in wholesale quantities and have the goods delivered to fifteen or twenty different addresses, asking the wholesalers to go to the fifteen or twenty different chemists for their money. This appears to be on all fours with the practice the retail chemist is anxious to have abolished. He is perpetuating another form of the very difficulty he is trying to combat. Much remains to be done with regard to these unsatisfactory trade practices. Here is a typical letter from an official in one of the Government offices showing the need for concerted action:—

"My Branch has an arrangement with numerous firms whereby the members are allowed special trading facilities. The Branch caters for approximately 900 men and 1,500 women—all prospective customers. If you would care to consider some such arrangement, I should be pleased to call on you to discuss and explain our suggestion and to modify our methods to suit your particular line. You may be interested to know that a number of Civil Service Organisations have arrangements with hundreds of firms both central and suburban and that if you can come to terms you will be following the example of many progressive firms. Thanking you in anticipation of a favourable reply."

Here is another letter from a provincial branch of a Government department :—

"In this office, and members of my branch, are upwards of 70 men and women, practically all of whom own wireless sets of some kind or another, and I have been asked to see if your firm could supply to me, as a sort of agent, wireless sets, parts and batteries, etc., at trade rates. If you can do anything in the matter I would do all in my power to get orders. Thanking you in anticipation of a favourable early reply."

And here is a third letter sent out by the union of an organisation consisting of people who are paid entirely either out of the rates or taxes. The relevant portion of this letter is as follows:—

"Will you kindly let me know (a) whether you would like to have the name of your firm included in the list of those allowing favourable terms; (b) what discount on the marked price you would be prepared to allow; (c) whether the discount would be deducted from the bill at the counter on production of membership certificate; (d) whether the assistant who served the member receiving the deduction would lose financially because of this discount; (e) whether any commission would be allowed to the Union."

The various trade-protection organisations have realised the necessity for co-operative action, and they are now working together to deal with these so-called "trade guilds," "supply societies," "discount companies" and so forth, who seek to supply, either through warehouses specially set up for the purpose or by means of orders on wholesale houses, a large section of the public through membership acquired by personal recommendation, by canvass or through friends who are members.

#### Limitation of Narcotic Drug Production

The League of Nations convention signed at Geneva on July 13, 1931, has been ratified or acceded to by fortyone countries; and international co-operation on the limitation of narcotic drugs has been advanced a stage further by the issue of a Statement by the Supervisory Body (C. 610. M. 286. 1933. XI) giving the estimated requirements of such drugs for various countries in 1934. The main figures are of general interest. The fact that the convention only came into operation last July has rendered the tables, for obvious reasons, less accurate than they will be in subsequent years. Table I is headed "Total Estimated World Requirements of each Drug in the Year 1934 for Medical and Scientific Purposes." For each of the drugs, fifteen in number, figures are arranged in four columns, giving respectively

(r) amount for use as such (including salts and medicinal preparations); (2) amount for conversion; (3) amount for replenishing stocks; (4) total of the other columns. The totals in the last column range from the morphine estimate down to the benzoylecgonine estimate, which is only 5 kilos. The principal figures are:—Morphine, 39,969 kilos 456 gm.; codeine, 26,073 kilos 872 gm.; cocaine, 5,466 kilos 646 gm.; dionin, 2,274 kilos 357 gm.; heroin, 1,457 kilos 268 gm. For reasons explained in the Statement, the estimates for morphine required for conversion "contain a very large hypothetical element." Table II, "Totals of the Estimates," shows the total for each drug and country. There are 188 countries or territories, beginning with Albania and ending with Western Samoa. The table is arranged in thirteen columns, extending across two pages. The figures for the principal drugs for the United Kingdom, France, Italy, Germany and Switzerland (in kilos, omitting the odd grams) are:—

Name		Morphine	Heroin	Codeine	Cocaine
United Kingdom France Italy Germany Switzerland	•••	1,459 6,100 336 6,750 2,480	58 82 70 4 4	* 5,115 450 3,130 300	306 640 125 80 90

\* Figures not available.

Annex I of the Statement gives details on the consumption of narcotic drugs in Japan and conditions of medical and pharmaceutical practice. It is stated that "a doctor with a large practice in a prosperous community may keep a chemist in his employ who assists the doctor in preparing the medicines for the patients, but, in general, a medical practitioner performs both the functions of consultation and of dispensation of the medicines. In these circumstances, the prices paid by rich families are commensurate with their social standing, while families with smaller incomes pay only a nominal amount. In the case of poor families, they simply express their gratitude for medical treatment they receive from a doctor by presenting him with fruit or vegetables or small objects of their own labour. . . . The use of heroin is therefore more frequent because of its more powerful effect and consequently lesser cost. . . . The practice of a large number of the doctors dispensing medicaments is another factor which contributes to the high rate of consumption of certain drugs. At the end of 1931 there were 48,105 doctors and 18,647 chemists in Japan proper."

# Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc. occur.

#### Tuesday, June 5

South-Eastern (London) Association, Maitland House, Greenwich, at 8.45 p.m. Annual meeting.

Thames Valley District Pharmacists' Association, Radnor Restaurant, Fife Road, Kingston-on-Thames, at 8.45 p.m. Annual meeting.

#### Thursday, June 7

Pharmaceutical Society of Great Britain, West Glamorgan Branch. Golf tournament at Clyne.

The value of trade papers.—"We do not object to lay Press advertising, but we resent very strongly any suggestion that branded lines can be marketed more effectively by confining publicity to newspapers read by consumers. . . The paper chosen by the vast majority of retailers is their trade paper, in which they find authoritative information respecting the trade in which they are engaged, with a complete absence of scare headlines, sensationalism, and editorial "stunts."—"The Drapers' Record."

# Present Reflections

By F. Gladstone Hines, past-President of the Pharmaceutical Society of Great Britain

AM writing this somewhere in the North Sea, and can therefore feel quite a sense of detachment. Perhaps it is because of some Quaker attachments for so many years in York; maybe I am naturally nomadic; at any rate, I like to do things as the spirit moves me. At present it is moving me to Germany. But the same mood impels me to do something more. Whilst I am soberly considering, in response to an appeal made to me by The Chemist and Druggist, just what contribution I can presently make to pharmaceutical history, I have an urge to fling in a word by the way.

I don't just know how many times in the last eighteen

years I have journeyed to London on Council business. And under what varying circumstances and with what varying feelings! Or perhaps that almost better applies to the journeyings back. How rarely does the realisa-tion reach the high hopes of the anticipation! Most of my journeyings back have been tinged with a sense of

futility and wasted time.

Not for some time, however, have I boiled up to the same extent as I did in returning after the May meetings —May, too, of all times, when birds and blossom alike conspire to fill one with delight. Instead the very sight of those Council documents almost dragged forth this pen to write what I thought about some of them. And now the pen refuses to be harboured longer. One picture passes through my mind—the Education Committee. It sat solemnly discussing (for goodness knows how long), paragraph by paragraph, a really terrific document on what to teach and how to examine. I couldn't just sense what was wrong: I realise it now. It was that brooding atmosphere of unreality. Just what relation had all these discussions to the life the man would lead and the work he would do day by day? I was not the only one worried by that same "whither?" My attention, too, was directed to one striking fact. To guide the Committee's deliberations we had with us the secretary, the assistant secretary and a third member of the secretarial staff; to record our wise decisions a lady stenographer; to watch benignly over us the resident secretary for Scotland. With such a galaxy of guides how could any Committee possibly take the wrong turning? Expense is really no object when the poor unfortunate examinee is under the microscope; he pays rather well.

But far worse was to come. In the evening meeting of Council, so naïvely described as a meeting of "Council in Committee," I had anticipated the presentation of a portentous document on the financing of the new building scheme. I remember now my disappointment that it was not forthcoming. Perhaps the murmurings of mutiny had been reported. It is now to meet its fate in June. Somebody marked it "Private and Confidential," heaven knows why, so I positively cannot enlighten curiosity. I treasure these things up; this one will have a special

niche of its own.

Obviously the department concerned produced this financial scheme to specification: that is their job. But nothing in the document enlightens one as to whose great mind conceived the specification. I wish the whole thing could be published—why not? We should then, for once, get some really tangible evidence of the misdirection and extravagance of the present administration. Actually there is nothing private about these toy bricks at all. The castle that Jack proposes to build is entirely a public affair. Administration of the Society's affairs to-day is a sort of inferior contract bridge. It is a game, a game played for high stakes, and the members of the Society are but pips on the cards. Of course I might have said all this to the sea; but that would seem a pity. It's the very cleanness of the sea air that makes all this humbug so revolting to the mind. Freedom, publicity—yes, you are right. But more of that anon.

# Codex Revision Committee

We have submitted the report of the pharmacy sub-committee of the Codex Revision Committee (briefly re-ferred to in our issue of January 6) to an expert in dispensing (14/2) who writes as follows:—

This report includes the principal new and revised formulas the subcommittee recommends for inclusion in the new British Pharmaceutical Codex. Some are entirely new and have been devised by the subcommittee; others have been altered and improved. Of additional information, one of the most important items is the inclusion of alcohol limits for the seventy-five tinctures, eighteen spirits and fourteen infusions that form part of the new formulary. This improvement was to be ex-pected so that the new B.P.C. should be a worthy companion to the B.P., 1932. The number of prepara-tions still in use that are not included in the B.P., 1932, must be very great. Many are of importance, and will remain the chief medicines as long as the present genera-tion of physicians is in practice. Many may be considered useless but are still believed in by some people.

#### THE CONTENTS

The report begins with three acids: Acid. nitric. dil., acid. nitro-hyd. dil., and acid. sulph. aromat. There are six concentrated waters including orange-flower, cherry-laurel, and rose. Three capsules: Quinin. ammon., quinin. ammon. et cinnam., and quinin. cinnam. Six decoctions, including our old and valued friends dec. aloes. co. and dec. sarsæ co. Eight elixirs, including diamorph, et pini co. ephedrin. and phenometric productions and phenometric productions are presented to the control of t including diamorph. et pini co., ephedrin., and phenobarbiton. Twelve emulsions; twenty-two extracts; six injections (all new). Twenty-two liquors, of which liquorseni acidus and liquor arseni alkalinus will be welcomed, as the latter contains tr. lavand. co. Twentyfour mixtures (new, altered, and improved). Five oculenta; sixteen syrups; nine tabellæ; twenty-two ointments. Factory cocaine eye drops, pil. coloc. co. (with a synonym "pil. cochia"), barium shadow meal, and pulv. alkalinus co. with the synonym pulv. bismutl. co. (It is to be hoped that Maclean's powder will not be lost under these names.) Vegetable laxative tablets and three syrup tablets now find a place in an official formulary -in their old age. Among the ointments will be found camphor ice, ephedrine ointment, calomel cream, nonsalicylate ointment. Syrup. glycerophosph. co. is now coloured with Bordeaux B; and syrup. rhei and syrup. rhœados are amongst the syrups.

This synopsis can scarcely give an idea of the work that has been given to make these preparations almost perfect. The subcommittee must be warmly congratulated. It is indeed difficult to offer any destructive criticism. I think, however, that emulsio acriflavinæ should have been called an application, as it is the one emulsion out of thirteen that can only be used for external application. I notice that halibut-liver oil is not made into an emulsion; indeed, its importance as one of the richest sources of vitamin A is not made sufficiently evident. Emulsio arachis (Marylebone cream,

improved) is now a really valuable preparation. wonders how the babies that were fed on the old preparation managed to survive without rickets. It now contains vitamin D, a substance absolutely essential to babyhood and young life. Were it possible to add glucose, liquid or powder, it would be even more valuable. This is the day of glucose for all sorts of conditions, but one realises that its inclusion in sufficient quantity is a pharmaceutical problem.

Ext. aurant. liq. will be found valuable for flavouring, and hospitals will probably continue to use it for the preparation of syrup. aurant. fact. I think that a syrup such as this should have found a place in the work, as the duty on alcohol for the B.P. preparation is unreasonable for hospital or N.H.I. work. I am impressed by the inclusion of ext. malti cum vitaminis, a prepara-It contains vitamins A, B and D. The extracts of stramonium (liquid), ephedra, celery, leptandra and valerian (liquid) are new, with that of orange. Glycerin of bismuth carbonate can now be made at the dispensing Injection of digitalis was needed, and I notice it should be sterilised by tyndallisation. Injections of iron and arsenic, peptone, urethane and quinine, and sodium morrhuate will be welcomed as authoritative preparations. I think that quinine bihydrochloride gives less trouble than the hydrochloride in the urethane and

The colouring agents Bordeaux quinine injection. B and tartrazine, red and yellow, have already been used in the N.H.I. Formulary. They will make for uniformity in the future, a most important thing where the colour of a medicine is concerned.

#### MIXTURES

It will be interesting to see the views of pharmacists on the mixtures as set out in the report; and the question might well be asked, "Does the report include all the mixtures suggested for inclusion?" The 1923 B.P.C. had seventy-seven, many of which, I feel sure, were never used and were probably culled from old hospital pharmacopæias. The twenty-four suggested bear marks of great care in selection. every effort was made to ensure uniformity with the National Formulary (N.H.I.). Of those suggested twelve are new, eight are materially altered and improved, while only four remain the same. To an inquiry for mist. bismuthi I must leave it to others to say what to dispense. Shall it be mist. bism. c. soda, or mist. bismuth. hydroxidi? In unguentum zinci et olei ricini we shall continue to get what the physician wants. Oculentum simplex is a useful name for the B.P. basis for oculenta, and I may add that the basis has been approved universally.

# Prescription Problem

THE prescription reproduced in our issue of May 5 (p. 514) proved to be unusually easy, judging by the number of competitors who were correct in their ingredients, quantities and directions. The exact transcription is as follows:-

Tr[.] Bell[ado]nna Tr[.]Ca[m]ph. Co. Vin[.] Ip[ecac.] Syr[.] Sc[illæ] Bell[ado]nna[e] .. M 40. Br[an]dy .. aa žss Am[.] Carb[.] ,5j .. ad 3vj [Capiat] 5ij—4 h[.]

Before we come to these correct people, however, we must glance at some of the wrong ingredients proposed. The first is in one case read as "Tr. Belenium." We have not traced any tincture of this name, though there is a homœopathic tincture of Bellis perennis. The second has been read as Tr. Calumbæ, Tr. Capsici Co., Tr. Card. Co., Tr. Chlorof. Co., Tr. Chlorof. et Morph. Co., Tr. Colchici Co., and Tr. Cubeb. Co. The third and fourth account for numerous failures, several candidates reading the third as Vin. Opii, or the fourth as Syr. Simp., or both. One postcard gives Vin. Picis for the third line, and another Syr. Limonis for the fourth. The brandy (line 6) has been variously read as Syrup., Mucilage, Chlorodyne, Syr. Pruni Virg., Honey, Browning, and Brom. Potass.; and one competitor has combined it with the fifth line and made the two into Glycerini Tragacanthæ. For the seventh line we have Am. Chlorid., Am. Quin. Tinct., Am. Acet F., and Tinct. Aurant.

Having disposed of these cards, we arrive at a few which give the quantity in the second line incorrectly, one which contains a translation instead of a transcription, and several which, though correct as to ingredients and other details, are spoiled by the haphazard use of the full stop, abbreviations and so forth (e.g., "Tinct." for "Tr."). Of the prize-winners,

Mr. George B. Daniel, 272 High Road, Wood Green, London, N.22,

has exceeded everyone else in accuracy, and is awarded a prize of 5s. The other winners are:-

Mr. S. Ashford, 18 The Avenue, London, W.13 Mr. Charles Bain, 85 Bank Street, Lochgelly, Fife

Mr. A. W. E. Bryant, 104 Trowbridge Road, Bradfordon-Avon

Miss Ida Cole, 14 Cowley Road, Leytonstone, London,

Mr. M. Connolly, Medical Hall, Westport, Irish Free State Miss K. East, 5 Riverside, Springfield, Chelmsford Miss M. L. Field, 46 Dyke Road, Brighton

Mr. J. E. Gascoyne, 13 Great Hampton Street, Birmingham, 18

Mr. J. Given, 37 Balgreggie Park, Cardenden, Fife Mr. A. D. Goodwin, 90 Queen's Road, Buckhurst Hill,

Miss Dorothy Harman, 46 Dyke Road, Brighton Mr. B. W. Heaton, 1164 Warwick Road, Acocks Green,

Birmingham Miss Elsie Inglis, 10A Merchiston Crescent, Edinburgh

Mr. W. Isaac, Morriston
Miss E. Lee, 88 James Lane, Leyton, E.10.
Mr. J. M. Maxwell, 14 Claremont Crescent, Edinburgh, 7 Miss M. Miller, 211 Murchison Road, Leyton, London, E.10

Mr. P. D. Milne, 257 Wimbledon Park Road, London, S.W.18

Messrs. Mogg and Cunningham, 3 King Street, Twicken-

Mr. Elliot A. Orlans, 43 Green Lane, Stoneycroft, Liver-

pool, 13 Mr. Ernest Peace, 484 Manchester Road, Stockbridge, Sheffield.

Mr. E. Bland Place, 52 Brandwood Road, King's Heath, Birmingham.

Mr. Harold Poole, 13 Great Hampton Street, Birming-ham, 18

Mr. E. Robinson, 39 Gordon Street, Scarborough Miss Doris Speddy, 37 Westfield Grove, Newbiggin-bythe-Sea

Mr. D. Spivey, 14 Greenhill Crescent, Harrow

Mr. R. B. Summers, 72 Wymering Mansions, Maida Vale, London, W.9

Mr. M. Vites, c/o Mr. F. Midgley, 306 Kirkstall Road, Leeds.

Mr. A. Walker, c/o Grattan & Co., Ltd., 7 and 9 Corn Market, Belfast

Mr. C. C. Wilkins, 2 Crompton Street, Warwick Mr. D. M. Whyte, 70 King's Road, Southsea.

To each of these a prize of 2s. 6d. is awarded. In some cases it has been necessary to examine the script with a magnifying glass—a point that future competitors may with advantage bear in mind.

# The Chemists' Registers, 1934

### Some Curiosities and Anomalies

By W. Maskew, Ph.C.

HAT'S in a name? Twenty-eight years ago I contributed an article to The Chemist and Druggist on the statutory Registers of the profession. The volume at that time contained 15,948 names; its cost was a crown, not a guinea. Circumstances went to show that many pharmacists found anusement or distraction in perusing my review. More than one representative trading in pharmaceutical Stock carried the extracted page in their wallets, and asked for more. Thus it came about that I repeated the dose in 1923, when the number of pharmacists' names had increased to 19,193.

My inspiration for again inflicting my efforts on C. & D. readers is of a threefold nature. Why Wait? First, in my partial retirement from pharmacy I lengthen the long Links of Friendship with four successive Editors. Well do I remember a day early in 1891 when first I climbed the stairs at 42 Cannon Street to receive

a book prize as the result of pegging away in a "Corner for Students" competition, one of the four *Peggs* to rely on. That experience enabled me to dispense with much of the usual college course, and assisted me to be enrolled on the Register at the minimum age in Eighteen 1892. months in Paris followed; and it was there, with one of the four Swanns, that I saved the Dibbs that went in one Swallow to pay the Trainor on reach-



MR. W. MASKEW, PH.C.

in g Bloomfield Squair. There, without making a Bloomer and keeping out of the Rutt, I counted fourteen Smart and five other Kidds. Soon I was Able to Theather myself to one of these, a Schollar whose name was Gane. This helped me to gain another Patch on the Register of Pharmaceutical Chemists in 1894. Occasionally acting the part of the Borrowman I could use his Tomes, his Still, two Measures, a Funnell or the Buncher of eight Keys from his Locker. Thus it was I could negotiate the four Locks, two Bolts, and three Gates to the examination Room, although four Barrs only are officially recorded. Secondly, I write in fulfilment of the saying:

"A little nonsense now and then Is relished by the wisest men."

Thirdly, a new era in Pharmacy is heralded by the issue of the Registers of 1934. They contain, inter alia, a Pach of 24,854 names.

According to Section 29 of the Pharmacy and Poisons Act, 1933, the expression "Register" means the Register of Pharmaceutical Chemists or that of Chemists and Druggists. These are Bound together in a crimson cover emblazoned by a Stamper—with the Royal arms in gilt, and the impressive words "By Authority." It is gratifying to find that thirty-seven pharmacists who passed the old Modified examination still remain with us, as well as thirty-two who were in business in 1868, before the passing of the Act. The names of 1,696 pharmaceutical chemists appear on both Registers, whereas since

1928 some ninety-nine Ph.C.s have passed under the new regulations and are not registered with the chemists and druggists. No fewer than eighty-seven names are registered under Section 4 of the Poisons and Pharmacy Act, 1008.

Let us examine the Register more closely. We find that the profession is honoured by forty-four Kings, exclusive of Julius Cæsar and two other Cæsars. Two Royal personages are mentioned, probably the two McQueens. It is stated that three can Rule. Amongst the host of other dignitaries there is one Herald to proclaim their coming. The list includes six Princes, four Dukes, one Earl, one Count, eleven Lords, eight Barons, twenty-seven Knights, five Squires, nine Proctors, two Mayors, seven Judges, three Officers, five Chamberlains, forty-four Marshalls, twenty-one Freemans, eighteen Pages, and three Stewards. When these are formed in procession there is one Bannerman to carry the two Banners. Three Yeomans have three Spears, a Gent follows with a Sword and a Mace.

#### Music and Dancing

The musical section is inadequate, as we find only three Singers, but have some idea of the Band. This would comprise the four Pipers, twenty-two Harpers, ten Hornes, nine Fyfes, one Horniblow, three Bass and one other Fidler. If sufficient jazz effect was not produced, there is an opportunity for adding three Pattulos, one Pittilo, one Windwood, one Cocuzzi, three Teunions, one Cutajar, one Tabone, one Vergette, a Tapper and three manipulators on the Bones. Seventeen Balls and three Dances appear on the programme. On a fancy dress occasion we read that one was Cleverley conceived as a Dollie, two were Nice, one was Pretty, and another Dainty, showing her Toes. Two were Tidy. One Type represented a Bride, two Bards, one a Sabine, another a Venus. Four went as Valentines, eight disguised as Guys. Two wore Court, two Tudor and fifteen Stuart costumes. One represented a Card, another a Carton made with a Liner of three bits of Hessian. Three had Fanns, and three Wings. One wore a Pinchbech ornament and two Buckles, another had a Garland and was dignified with Grace, whilst another posed as a Gallant and looked Grand. Three Mrs. Grundys went as well as three Ogles in order to judge the four Best. Eleven copied the French, and one the German. One used Chalk. The invitations were in the hands of six entitled to Askew. Many went as they were being informed that a person present Will Maskew (spelt as it is pronounced), and not a Cousin, nor one of the two Cousins of the one spelt Myerscough on the Register. At the conclusion of the Medley two remarked Ohe. Three Cheers were given and one used Dams. Others exclaimed Tosh! Tutt! Swindle! Naughtie Peter! but it finished with a Clapp.

When chemists hold a banquet, forty-four Cooks, a Cookson, two Carvers and twenty-five Butlers can officiate. Two Courses are provided. The Grubb on the menu might be selected from five kinds of Bacon, one Veale, a Ham, a Rump, two Brawn, a Haggis, seven Curries and a Tongue. There is also a Melton Pye, which could not be a Gammie one. An extra dish could be a Lambshead stewed with the only Onyon. A Sweetman is responsible for two portions of Rice and two kinds of Jelly, one of which has been made with Agar. The two Moulds come in handy. Condiments play their part, as there are three Peppers, five Salts and two Sellors. Now we come to the drink question, and learn that six prefer Beer, three Allsopp, four Worthington, three Bass, nine Dewar, two Sherry, one Whitbread, eight Porter, two Punch, eleven Perry and seven Waters. Four always Drinkwater, and one has Emms. Two Taverners assist. These liquids are kept in

nine Potts, and on Tapp in an Alewood. They are handed round in Glass vessels of which there are three. The Tipping is done by a Dowdy, who is Trible and pos-

sesses the gift of the Gabb.

How chemists dress is a curious matter. Mention is made of three Coats, each with three Buttons. One is described as Close fitting, and four have Cuffs. One wears Cotton, two Silk, five Woolley, and one a Woollen garment and a Mantle. There is now a Boot to wear as well as one bit of Leather for repairs. A Capp, a Hatt and a Muff are part of the wardrobe. Of Hues, Brown predominates as there are 129 varieties. Forty-eight Grays make a good show with four Grey and a Fawn. Seventy Whites outnumber twenty-eight Blacks, and there is a solitary Redman.

#### Geographical Data

Geographically, chemists are unevenly distributed. Associated with counties are twelve Kent, one Suffolk, two Cheshire, two Westmorland, four Stafford, one Devonshire, two Somerset, four Buckingham, one Durham, two Oxen, one Leicester, three Cornish, two Bedford, four Yorks, seven Flint, three Montgomery, and two Welsh. Others, following the ancient custom of being named after towns, are one Darlington, one Dunkerton, one Berlin, two Chester, one Glossop, one Diss, one Norwich, two Nottingham, two Catterick, one Glasgow, four Lancaster, one Escritt, one Cambridge, one Saxelby, one Scantlebury, one Saxby, twenty-two Wells, five Hulls, one Sheffield, six Hulmes, one Caithness, five Whitby, one Whitchurch, three Ware, one Chesterfield, one Dewsbury, three London, three Strond, one Winchester, eight Hayes, one Bromley, five Wakefield, five Selby, seven Oldham, one Doncaster, two Warrwicks, three Paris, five Sunderland, and a Bristol.

The religious life of the chemist is well cared for. Our records show three Parrishs and two smaller Parishs. These comprise nine Churchs and three Chappells, and have ten Peels with sixty-two Bells. Nearby is a Churchfield and a Churchyard. The officiating clergy are numerous, for we count eight Bishops (two with Croziers), fifteen Deans (four of whom have Copes), three Priests, two Saints, six Cannons, seven Vickers, eighteen Parsons, three Christians, and a Sexton. Rome is represented by four Popes, eleven Abbots, two Priors, nine Monks, two Nunns and a Fryar. The housing problem comes in here as there is no Abbey. There is, however, a Monkhouse, a Churchhouse, sixteen Chambers, three Castles and a Zion. Some of our confrères have direct association with Biblical history. The family of Adam and Adams have forty-eight representatives, together with nineteen Adamsons. There is a Garden, five Edens and one Eves, also a Cain and two Abels. Then there are seven Abrahams, three Moses, fifteen Daniels, seven Samuels, five Amos, five Saul, one Herrod, eight Davids, five Solomons, one Timothy, ten Isaacs, one Isacson, one Israel and a Samsom. Prototypes of the Apostles include thirty-three Mathews, nine Marks, twenty-five Johns, five Pauls, thirty-five Andrews and 152 doubting Thomases.

(To be continued)

# Pharmaceutical Society of Great Britain

Branch Meetings

Carmarthen.— The annual meeting of the Carmarthen, Pembrokeshire and Cardiganshire Branch was held on April 26. Mr. J. Mendus (Pembroke) was elected Chairman; Miss M. Evans (Cross Hands) was elected Vice-Chairman; Mr. John Gower was re-elected Secretary and Treasurer.

Cheltenham.—At the annual meeting of the Cheltenham and District Branch, the following officers were elected for the ensuing year:—President, Mr. J. P. W. James; Vice-Presidents, Mr. W. Wolstenholme, Mr.

W. J. Thomson, Mr. Harold Miller, Mr. J. L. Goulder; Treasurer, Mr. A. B. Hutcheon; Secretary, Mr. T. B. C. Wickham.

Newcastle.—An interesting lecture was delivered recently to the Newcastle, District and Northumberland Branch by Mr. J. N. Bennett, Ph.C., on Treasure of Ancient Days: A Talk on Spices. In addition to pharmacists a large number of students were present. The lecturer dealt with the history and romance of various spices, adding many amusing touches of myth and folklore. Dried specimens were on the table for examination, and many questions put by students were readily answered. On the motion of Mr. Weddell an enthusiastic vote of thanks was accorded.

Norwich.—A meeting of the Norwich and District Branch was held on May 16. The secretary was instructed to write to the Society and to the N.P.U. urging them to do everything possible to secure the inclusion of chemists as dispensers in the various public medical service schemes. The Branch felt that this was a matter for national action. Mr. J. A. Kenningham (organising secretary of the P.A.T.A.) gave an address on P.A.T.A. matters. Mr. Kenningham drew attention to the conditions existing before the P.A.T.A. came into being, and spoke of his experiences in other countries. He explained how goods were systematically purchased and cardindexed. Many of these articles were coded and the original source of supply traced, although the actual supplier of the cutter was not always found. Recent additions to the staff and premises at Gordon Square, intercoding by wholesalers, publication of stop lists, and the utilisation of many ingenious schemes had now combined to make the P.A.T.A. efficient. Unfortunately some chemists were prepared to supply the cutter with large parcels of goods for a small commission. However, Mr. Kenningham showed that the cutter was fighting a losing battle, and a little closer co-operation between P.A.T.A., manufacturer, wholesaler, and retailer would see him all but eliminated. An interesting discussion followed.

Sheffield.—At a recent meeting of the Sheffield and District Branch the report of the president and vice-president on the classes for Part I at Sheffield and Barnsley was presented. In view of the proposed alterations in the Society's syllabus it was decided to adjourn further consideration. A vote of thanks was accorded to the special committee who had the arrangements in hand for the ball held at the City Hall.

Sunderland.—The annual meeting of the Sunderland and District Branch was held on May 3, Mr. Nimmo in the chair. The following officers were elected:—President, Mr. J. Spence; Vice-President, Mr. W. Forster; Secretary, Mr. H. Winch; Treasurer, Mr. H. Wardropper; Committee, Messrs. P. Behrman, W. Nimmo, J. Montgomery, A. Grant, L. Rosenberg, W. Nixon and B. Jones. It was decided to hold a picnic in the Bamburgh district on June 17.

West Glamorgan.—The annual meeting of the West Glamorgan Branch took place recently, the president (Mr. H. Wynne Jones) in the chair. The members stood in silent testimony in remembrance of the late Mr. T. Dummer, of Neath. The president outlined the Branch's activities during his term of office. He expressed regret that the year had passed with only one speaker from the Society's headquarters. The secretary (Mr. Charles R. Dickens), in his report, congratulated the Branch on the success of its social activities. The treasurer (Mr. John Rees) reported a satisfactory statement of accounts. This year's contribution to the Society's Benevolent Fund amounted to £21, the most ever sent by the Branch. The following officers were elected for the ensuing year:—President, Mr. H. Wynne Jones; Vice-President, Mr. W. J. Thomas; Treasurer, Mr. John Rees; Secretary, Mr. Charles R. Dickens; Assistant Secretary, Mr. E. V. Samuel; Committee, Messrs. J. S. Gilbert, T. G. Lawrence, J. H. Kent, D. Illtyd Rees, W. Isaac, H. M. Lynn, E. D. Smith, I. Dawkins, W. Glyn John, Mr. Lewis and Mr. Handford. The date fixed for the golf tournament at Clyne is June 7.

# Italian Chemical Trade

THE report of the economic conditions in Italy\* contains a good deal of information of interest to the chemical trade. The imports of United Kingdom pharmaceutical products during 1932 totalled 38 tons, valued at 2.7 million lire, compared with 54 tons, valued at 3.3 million lire, in 1931. Imports of British perfumery products improved in quantity from 33 tons in 1931 to 37 tons in 1932, while the value for both years was level at 1.6 million lire. Dyestuffs and colours were landed in Italy from the United Kingdom in 1932 to the extent of 249 tons, valued at 2.4 million lire. against 253 tons in 1931, with a value of 2.9 million lire. Our shipments of organic chemicals to Italy in 1932 totalled 246 tons and in 1931 62 tons, with values 1.7 and 1.6 million lire respectively.

#### **Imports**

The imports of chemical and allied products from all sources decreased heavily in value last year, as compared with the value of the imports of the two preceding years. The value of the imports of inorganic chemicals fell from 132.6 million lire in 1930 and 73.6 million lire in 1931, to 58.5 million lire in 1932. Imports of organic chemicals fell from 77.4 million lire in 1930 and 59.2 million lire in 1931 to 41.9 million lire in 1932; and those of chemical fertilisers from 163.6 million lire in 1932 and 79.6 million lire in 1931 to 52.5 million lire in 1932. There was a shrinkage in the value of the imports of medicinal and pharmaceutical products from 61.1 million lire in 1930 and 55.6 million lire in 1931 to 51.4 million lire in 1932. The value of the imports of essential oils, perfumery, soap and the like in 1930 was 46.1 million lire, in 1931 42.4 million lire, the value of the 1932 imports was only 25.8 million lire. Imports of sulphate of copper last year amounted to 7,482 tons valued at 10.3 million lire, against 8,964 tons valued at 16.3 million lire in 1931. There were increased imports of some of the chemical fertilisers in 1932 as compared with 1931. The potassium fertilisers increased from 16,780 tons to 29,050 tons; while those of calcium cyanide from 70 tons in 1931 to 3,944 tons in 1932. Imports of super phosphates decreased from 33,529 tons in 1931 to 21,095 tons in 1932. Raw nitrate of soda fell from 56,371 tons in 1932. Raw nitrate of soda fell from 56,371 tons in 1931 to 29,732 tons in 1932. Only 311 tons of sulphate of ammonia were imported in 1932, against 5,788 tons in 1931 and 21,143 tons in 1930.

#### Exports to U.K.

Comparative exports of products of interest to the chemical trade consigned to the United Kingdom, in quantities and value, for the years 1931 and 1932 were as follows:—

Commodity		Qua	ntity	Value in Millions of Lire		
	!	1932	1931	1932	1931	
		Tons	Tons	· · · · · · · · · · · · · · · · · · ·	-	
Sulphur		38,205	37,025	12.6	9.4	
Talc		3,109	2,715	2.5	2.2	
Mercury		20	76	0.2	3.5	
Olive oil, edible		584	1,226	2.3	5.1	
Olive oil, washed		442	129	0.7	0.2	
Raw tartar	• • • •	4,561	4,185	9.5	12.0	
Cream of tartar	• • • •	257	690	1.3	5.9	
Tartaric acid	• • • •	72	541	0.2	5.3	
Citrate of lime		I	100	0.0002	0.5	
Citric acid		138	689	2.4	6.3	
Other organic chemicals		97	171	0.1	0.6	
Essential oils	• • •	184	314	7.2	11.9	
Sumac	•••	2,764	2,937	1.7	2.6	
Tanning extracts		3,204	11,796	3.6	16.6	

<sup>\*</sup> Economic Conditions in Italy, July 1933, H.M. Stationery Office, price 5s.

#### Production

The Italian chemical industry comprises 266 companies with an aggregate capital of about two milliard lire, of which the Montecatini group, with a capital of 550 million lire, employing 21,186 workmen and 1,763 office staff, is the most important. The following table gives particulars of the quantities of chemical products produced in Italy during the period 1928 to 1931. Figures of production for 1932 are not yet available.

Products			Quan	tity produc	ed in metri	tons
Tioducts			1928	1929	1930	1931
Refined boric acid Carbonic acid Hydrochloric acid Hydrochloric acid Sulphuric acid Sulphuric acid Aniline Sodium bisulphate Borax Calcium carbonate Calcium carbide Cellulose Mineral colours Organic colours Tannic extracts Refined glycerine Calcium chlorate Caustic soda—solid Caustic soda—liquid Aluminium sulphate anh Sodium sulphate anh	talliz		1,833 3,925 51,987 29,620 704,100 1,126 991 18,619 4,459 803 86,681 2,400 19,128 6,985 77,142 1,772 8,662 2,655 18,160 16,220	2,071 3,563 40,777 39,367 834,500 1,327 10,557 3,232 1,015 84,364 2,484 18,115 63,867 2,596 8,270 76,790 49,570 3,230 20,290	1,381 4,956 39,550 74,963 831,200 1,239 1,363 9,107 3,321 1,567 102,600 6,140 17,736 5,834 52,745 2,620 9,930 66,710 48,428 3,584 18,620 9,930	1,783 3.744 49.440 60,410 624,567 861 2,722 3,082 2,032 75,890 6,000 15,736 5,000 49,341 3,000 8,957 67,354 49,948 49,948 18,000 9,225
Carbon sulphide Sodium sulphide	•••		15,660	13,763	12,563	13,460 2,473
Superphosphates Copper sulphate		•••	1,045,300	1,307,100	1,388,100 68,800	802,100 77,300
-						

#### Citrus Industry

Exports of citrus fruits from Palermo during the years 1929-32, including citric acid, essential oil of lemon, lemon juice and peels, were:—

_				To Foreign Countries	Italy	Total	Value	
1929 1930 1931 1932	•••	•••			37,600 17,418 30,065 26,158	(In quintals) 9,259 3,507 3,885 5,418	46,859 20,925 33,950 81,576	(In 100's of lire) 47.650 29,651 20,498 13,405

#### Citrate of Lime Stocks

STOCKS of citrate of lime with the Camera Agrumaria on March 15, 1934, were as follows:—

								Kilos.
New production	(Dece	mber,	1933-M	arch 1	5, 1934	):		
Messina	•••	***			•••	•••		821,237
Palermo								13,136
Reggio Cala	bria		• • • •			• • •		475,627
Siracusa							}	96,288
Catania	• • •	• • •	•••	•••	• • •	•••		231,896
Total								1,638,182
old production (	Decer	nber, 1	932-No	vembe	er, 1933	)		3,957,444
Total		•••						5,595,628
old and consign	ed fro	m Dece	ember 1	, 1933,	to Mai	ch 15,	1934	1,312,434
tocks available	on Ma	arch 15	. 1034				1	4,283,19

# Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

#### 28 Essex Street, W.C.2, May 31

A Number of important alterations in values are recorded this week. Business in most markets has been fair, but continues to be mostly for limited quantities. In the pharmaceutical chemicals markets a reduction of £1 per ton is notified in Borax and Boric acid. The makers of Bismuth salts have made a further cut in their scales of sales prices to conform to the lower metal price now operating. The weakness in the metal market seems likely to be temporary, and some recovery from the recent two cuts of sixpence each is to be looked for at no distant date. Vermilion is quoted dearer. Mercurals, which have been unchanged for well over a year, may have to be advanced if the metal continues to appreciate. In the crude drug markets business continues rather slow and for limited quantities, but some markets are gradually improving. Buchu is fully steady at the recent advance. New crop Cascara sagrada has met with fair shipment business. Good white Chamomiles are short. Norwegian Cod-liver oil is firm for shipment, shippers declining bids. A good demand for Derris root. Spanish and Portuguese Ergot is firmer, following better business. Hydrastis is quoted at advanced figures, but is still dull. Japanese Menthol is very steady on a slow market; Japanese shippers showing no indication of easing their prices. The Continental shipment price for Mercury is again dearer and firm. The shipment market for new crop Tinnevelly Senna tends rather firmer. The best grades of white Tragacanth are dearer and running short. Bees' waxes are dearer and firm, with spot supplies short. Carnauea wax shows a good recovery, following weakness of last week. Business in essential oils has been a little better, but is still rather disappointing. Sicilian Lemon and Orange maintain recent better tone in the shipment markets. New crop Neroli is quoted dearer on reports of poor crop. Safrol is at higher figures. Japanese Peppermint is dull but keeping quite steady. Petitigrant is at better figures, spot and forward. Business in fixed oils has been m

#### Exchange Rates on London

The following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre		Quoted	Par	Мау зт	Value of the
Amsterdam Berlin Brussels Copenbagen Lisbon Madrid Milan Montreal New York Oslo Paris Paris Prague Stockholm Warsaw Zuricb		Fl. to f Mks. to f Belgas to f Kr. to f Esc. to f Ptas, to f Lire to f Dol. to f Fr. to f Kr. to f Kr. to f Kr. to f Kr. to f Fr. to f Fr. to f Fr. to f	12·107 20·43 35 18·259 110 25·22½ 92·46 4·86¾ nominal 18·159 124·21 164·25 18·139 43·38 25·2215	7.40½ 12.98 21.72 22.30½ 100½ 37½ 50 % 5.06 10.90½ 77½ 122 19.40 27	12/4% 12/84 12/8 12/8 24/8 19/11 29/4 12/10% 20/9½ 20/9½ 21/11 12/4% 13/10 21/4% 12/5½

Bank rate 2 per cent.

#### Pharmaceutical Chemicals, etc.

A VERY fair volume of business is reported this week, with the general tone steady, although price-cutting continues in some few products. Salicylates are steady. There is no change to report in the scale af Vanillin prices.

ACETANILID.—Market is quiet and unchanged: B.P. crystals and powder, is.  $5\frac{1}{2}$ d. to is. 8d. per lb., as to quantity.

AMIDOL.—A steady inquiry for limited quantities: 56 lb., 7s. 3d.; 28 lb., 7s. 6d.; 14 lb., 7s. 11d. per lb., in 7-lb. tins. Wholesale distributors' prices for smaller quantities would be dearer

AMIDOPYRIN.—Some spot sellers continue to offer at keen prices: crystals, five cwt., 18s. 9d.; two cwt., 19s. 14d.; less

than two cwt., 19s. 6d. per lb., with powder  $2\frac{1}{4}$ d. per lb. extra.

Ammonium benzoate.—Dealers are quoting spot at about 3s. 4d. to 3s. 6d. per lb., as to quantity.

Ammonium ichthosulphonate.—Keen prices are quoted in some quarters: one cwt., is. 7d., in 14-lb. tins; is. 8d., in 1-lb. tins; is. 1rd., in 8-oz. tins, and 2s. Id. per lb., in 4-oz. tins.

Asperin.—A steady inquiry continues with the market well maintained: home trade, ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8dd.; 28 lb., 2s. 9d.; 14 lb., 2s. 10d.; 7 lb., 3s.; 4 lb., 3s. 2d.; 1 lb., 3s. 4d. per lb. Bulk packing, free, net, carriage paid. Contracts: Over twelve months, minimum, one ton; over six months, less than one ton.

Barbitone.—Market is dull with spot offers competitive: spot, one cwt., 13s.; 56 lb., 13s. id.; 14 lb., 13s. 3d.; small parcels, up to 14s. per lb.

Benzoic acid (B.P.).—Fair business, market steady: quantities, ex works, is. 9½d.; spot parcels, is. iod. to 2s. 2d. per lb., ex store, as to quantity.

BISMUTH SALTS.—Makers notify a reduction in their scales of prices, consequent upon the decline in metal value. The new prices came into operation on May 30.

		Net Monthly Account		Net 14 days	; (a)
	~	Under 8 lbs.	8 lbs. and under 28 lbs.	28 lbs. and under 1 cwt.	Not less than cwt. (b)
Carbonate Citrate Nitrate Cryst. Oxide Salicylate Subchloride Subgallate Subnitrate		 Per lb. 8/10 11/9 6/9 13/- 10/- 12/9 9/8 8/-	Per lb. 7/7 10/6 5/6 11/9 8/9 11/6 8/5 6/9	Per lb.  7/1  10/- 5/- 11/3  8/3  11/- 7/11  6/3	Per lb. 6/10 9/9 4/9 11/- 8/- 10/9 7/8 6/-

(a) If sold on monthly account, 3d. per lb. extra charged. (b) A rebate of 3d. per lb. allowed on sales of not less than 2 cwt. (either for prompt delivery or on contract) provided delivery is completed or paid for within three months. Liquor Bismuthi, B.P., one winchester quart, 1s. 1½d.; 6 w-quarts, 11d.; 12 w-quarts, 9½d.; 36 w-quarts, 9d. per lb., net. Previous alterations in value were on April 23, 1934.

Borax (B.P.).—Prices reduced £1 per ton as from June 1. Crystals, £23 10s.; powdered, £24; extra fine, £25 per ton, in one-cwt. bags, carriage paid in Great Britain on minimum one-ton lots.

Boric acid (B.P.).—Prices reduced £1 per ton as from June 1. Crystals, £34 10s.; powdered, £35 10s.; extra fine, £37 10s. per ton, in one-cwt. bags, carriage paid in Great Britain on minimum one-ton lots.

Bromders.—A moderate business is being done with quoted prices steady: ammonium, not less than five cwt., is. 9d.; one cwt., is. 10d.; 28 lb., 2s. id.; smaller quantities, 2s. 5d. per lb.; potassium B.P. crystals and granular, not less than five cwt., is. 6d.; one cwt., is. 7d.; 28 lb., is. iod.; smaller quantities, 2s. 2d. per lb.; sodium B.P., not less than five cwt., is. 8d.; one cwt., is. 9d.; 28 lb., 2s.; smaller quantities, 2s. 4d. per lb., without engagement. Special prices for larger quantities.

Calcium lactate.—Rather quiet with keen prices quoted for bulk quantities: spot, one cwt., is.; 56 lb., is. o½d.; 28 lb., is. id.; smaller quantities, up to is. 4½d. per lb.

Chloral hydrate.—Makers' prices are steady, some competition: duty-paid crystals, in 14-lb. free containers, five cwt., 3s. 1d.; one cwt., 3s. 2d.; 28 lb., 3s. 3d.; 14 lb., 3s. 4½d. per lb.; 28-lb. jars, one penuy per lb. extra.

CITRIC ACID (B.P. CRYSTALS).—Not much business of importance. Makers quoting 9\frac{1}{2}d. per lb., less 5 per cent, discount, nominal and without engagement. Dealers are offering foreign material at very keen prices.

CREAM OF TARTAR.—Fair business with British 99 to 100 per cent. quoted at 82s. per cwt., less 2½ per cent. discount, nominal and without engagement. Dealers are quoting foreign at about the same figure.

CREOSOTE (B.P.).—Spot supplies of quantities in 25-kilo. demijohns are quoted from 1s. 8d. and upwards; small parcels, up to 2s. 2d. per lb., as to quantity.

CREOSOTE CARBONATE.—Occasional small business with dealers quoting at about 8s. to 8s. 6d. per lb. for I-lb. bottles.

Guaiacol Carbonate.—Some spot material may be slightly cheaper than the Convention prices, as follows:—two cwt., 9s. 10\fmathfrak{d}d.; one cwt., 10s. 0\frac{1}{2}d.; less than one cwt., 10s. 2\frac{3}{4}d. per lb.

Hexamine.—Business is on a fair scale at keen prices for good quantities. Free-running crystals, five cwt., is. 8d.; two cwt., is. 8½d.; one cwt., is. 9d.; 14 lb., is. iid.; smaller parcels, up to 2s. per lb.; powder, is. 5d. per lb. for cwt. lots and less for bulk quantities.

Hydroquinone.—A steady business is being done with controlled prices for contracts and for single deliveries unchanged.

IODIDES.—Makers' scales of prices are generally unchanged for these salts.

Lactic acid (B.P.).—Moderate inquiry with values about steady: quantities in carboys, is.  $4\frac{3}{4}d$ . to is.  $5\frac{1}{2}d$ .; in winchesters and bottles, is. 6d. to is. rod. per lb., as to quantity.

METHYL SALICYLATE (B.P.).—The agreed scale of prices is steady, inquiry restricted: ten cwt., is. 5d.; five cwt., is. 5½d.; one cwt., is. 6d.; less than one cwt., is. 7d.; small quantities in bottles, up to 2s. per lb.

METHYL SULPHONAL.—The sterling rates are steady, business quiet: two cwt., 17s. 6d.; one cwt., 17s. 11d.; 56 lb., 18s. 4d.; small parcels, 19s. 3d. per lb.

PAPAVERINE.—Makers' prices are as follows: Pure and Sulphate, 16s. 5d.; hydrochloride, 15s. per oz., net, for maximum 4 oz. lots. Rebates for bulk quantities, as follows: 250 oz., 10 per cent.; 100 oz., 7½ per cent.; 35 oz., 5 per cent., and over 4 oz., 2½ per cent. Assorted salts on same terms. Fall clause on contracts for 100 oz. and upwards, delivery over six months. Distributors' prices for small lots would be dearer.

Paraldehyde.—Rather quiet on a competitive market: quantities in demijohns, 1s. to 1s. 2d.; winchesters, 1s. 4d. to 1s. 5d. per lb.; small quantities, in bottles, up to 1s. 8d. per lb.

Phenacetin.—Business is moving slowly on a very keen market: crystals or powder, five cwt., 3s. 7\dd.; two cwt., 3s. 8d.; one cwt., 3s. 8\dd.; 56 lb., 3s. 9\dd.; smaller parcels, up to 4s. 3d. per lb.

PHENAZONE.—Quotations are irregular with most business at keen figures: crystals, five cwt., 10s. 7\(^3\)d.; two cwt., 10s. 10d., and less, up to 11s. 6d. per lb., with powder 2\(^1\)d. per lb. extra.

Phenolphthalein.—Sales are restricted but makers' agreed quoted prices are holding: two cwt., 2s. 9d.; one cwt., 2s. 1od.; 28 lb., 3s.; 14 lb., 3s. 1d.; 7 lb., 3s. 2d.; smaller parcels, up to 3s. 6d. per lb.

PHENYL ETHYL BARBITURIC.—Market is rather steadier with a little more business moving: spot, 29s. to 30s. per lb., in 2-lb. bottles.

Potassium permanganate (B.P.).—Dealers are doing average business, market steady: quantities in two cwt. drums, 9\dd; druggists' parcels, 9\dd to 11d. per lb., as to quantity.

Potassium sulphoguaiacolate.—Dealers are quoting spot at about 6s. 2d. to 6s. 6d. per lb., as to quantity. Business is slow.

PYROGALLIC ACID.—Fair inquiry with makers' prices steady: 56 lb., 7s. 9d.; 28 lb., 8s.; 14 lb., 8s. 6d.; 7 lb., 9s. 3d. per lb., in 7-lb. tins. Wholesale distributors' prices for smaller quantities would be dearer.

Quinne salts.—Sulphate, 2s.; bisulphate, 2s.; ethyl carbonate, 2s. 7½d.; salicylate, 2s. 8d.; phosphate, 3s. 1d.; hydrochloride, 2s. 6½d.; bihydrochloride, 2s. 0½d.; hydrobromide, 2s. 6½d.; bihydrobromide, 2s. 9½d.; valerianate, 3s. 5¼d.; hypophosphite, 3s. 8¾d.; alkaloid, 2s. 9¾d. per oz., carriage paid on bulk quantities.

RESORCIN.—Occasional business, market steady. British crystals, one cwt., 4s. 11d.; 56 lb., 5s.; 28 lb., 5s. 1d.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; less than 7 lb., 6s. per lb.

SALICYLIC ACID (B.P.).—Market is steady at agreed prices: five cwt., 1s. 7d.; one cwt., 1s 7½d.; 28 lb., 1s. 8d.; 14 lb., 1s. 9d.; 7 lb., 1s. 11d.; 4 lb., 2s. 1d. per lb. Higher prices for smaller quantities.

SALOL.—Market remains dull: spot, crystals, two cwt., 3s. 10d.; one cwt., 3s. 11½d.; 56 lb., 4s.; smaller parcels, up to 4s. 3d. per lb.; powder, 2d. per lb. extra.

SODIUM BENZOATE (B.P.).—Inquiry is fairly good with the market competitive. Cwt. lots, 1s. 7d.; smaller parcels, up to 1s. 10½d. per lb. Large bulk parcels at keen prices.

SODIUM DIETHYLBARBITURATE.—Occasional business with quoted prices unchanged: spot, one cwt., 13s.; 56 lb., 13s. 3d.; 28 lb., 13s. 6d.; 14 lb., 13s. 9d.; 7 lb., 14s.; smaller parcels, up to 15s. per lb.

SODIUM SALICYLATE (B.P.).—Rather more inquiry with agreed prices steady: home trade, powder, five cwt., is. 8½d.; one cwt., is. 9d.; 28 lb., 2s.; 14 lb., 2s. 2d.; 7 lb., 2s. 3d.; 1 lb., 2s. 6d. per lb., with crystals one penny per lb. extra.

Sulphonal—Dealers' sterling prices are holding, business limited: crystals, two cwt., 14s.; one cwt., 14s. 5d.; 56 lb., 14s. 7d.; smaller parcels, up to 15s. 3d. per lb., with powder 2½d. per lb. extra.

Tartaric acid (B.P. crystals).—Business is moving on a fair scale. British quoted at is. old. per lb., less 5 per cent, discount, nominal and without engagement. Dealers are quoting foreign material at competitive prices.

Theobromine.—Continental material to come forward is steady at the former prices: pure, 250 lb., 6s. 6\frac{1}{4}d.; 100 lb., 6s. 8\frac{1}{4}d.; 50 lb., 6s. 1rd.; less than 50 lb., 7s. rd. per lb. Sodium salicylate, 250 lb., 6s. 4\frac{1}{2}d.; 100 lb., 6s. 5\frac{1}{4}d.; 50 lb., 6s. 6\frac{1}{4}d.; less than 50 lb., 6s. 7\frac{3}{4}d. per lb. net, carriage paid on minimum 50 lb. lots. Packages from 5 lb. upwards free.

THYMOI.—Business is of small account: synthetic, fine white, one cwt., 4s. 10d.; 56 lb., 5s.; 28 lb., 5s. 1d.; 14 lb., 5s. 4d. per lb.; ex ajowan seed, one cwt., 7s. 3d.; 56 lb., 7s. 4½d.; 28 lb., 7s. 6d.; 14 lb., 7s. 9d. per lb.

Vanillin.—Market has been quiet with the Convention prices unchanged: ex guaiacol or clove oil, ten cwt., 14s. 6d.; five cwt., 14s. 9d.; three cwt., 15s.; one cwt., 15s. 3d.; 56 lb., 15s. 6d.; 28 lb., 15s. 9d.; 14 lb., 16s.; less, 16s. 3d. per lb.

Vermilion.—Makers' prices have advanced 3d. per lb. on the rise in Mercury, as follows: 3o-lb. bags, 4s. 4d.; four 3o-lb. bags or one cwt. cask, 4s. 2d. per lb., packages free, carriage paid.

#### Crude Drugs, etc.

Agar.—Market is slack and slightly easier forward: spot, Kobe No. 1, 1s. 11d.; No. 2, 1s. 9d.; Yokohama No. 1, 1s. 9d. per lb.; shipment, Kobe No. 1, 1s.  $7\frac{1}{4}$ d.; No. 2, 1s.  $6\frac{1}{2}$ d.; Yokohama No. 1, 1s. 5d. per lb., c.i.f.

Antimony.—Market is steady as quoted. Chinese crude, spot, £24 10s.; shipment, £19 10s.; Chinese oxide, spot, £30; shipment, £26, c.i.f., nominal.

Belladonna.—Dealers are offering spot root testing .43 at from 60s. per cwt. Leaves are very scarce.

BISMUTH.—The price of the metal is reduced to 4s. 6d. per lb. as from May 3o.

Buchu.—Fully steady at recent better rates with business fairly satisfactory. Good green rounds, 10½d. to 11d.; fair to ordinary, 9d. to 10d.; ovals, 7¼d. to 8d. per lb., as to colour.

CASCARA SAGRADA.—Some fair interest is being taken in new crop shipment offers with the figure about 27s. per cwt., c.i.f., for minimum car-load lots.

CHAMOMILES.—A steady demand is reported, with a shortage of good white flowers. Spot quoted from 250s. to 300s. per cwt., as to colour.

CLOVES.—Market has been quiet but is fully steady. Zanzibar, spot, 5\frac{1}{2}d.; shipment, 5\frac{1}{2}d. per lb., c.i.f. Receipts in Zanzibar during the period July 1933 to April 1934 amounted to 219,842 bales, compared with 114,389 bales during the corresponding period of 1932-33. Shipments for the same period of 1933-34 totalled 166,173 bales, compared with 116,855 bales during the ten months of 1932-33.

The landings of Zanzibar in London during the week ended May 26 were roo and the deliveries 31, leaving a stock of 4,603. From January 1 to date, landings of Zanzibar have been 3,343 and the deliveries 1,262. Landings of Madagascar for the week ended May 26 were nil, and the deliveries 6, leaving a stock of 898. From January 1 to date landings of Madagascar have been 232 and the deliveries 316 packages.

Cod-Liver oil.—Bergen reports fishing results to May 28 as follows: 134,173 tons of cod and 81,065 hectol. of oil, against 135,284 tons of cod and 75,448 hectol. of oil at the same date in 1933 and 158,633 tons of cod and 91,114 hectol. of oil in 1932. The shipment market continues rather quiet but fully steady, with finest Lofoten steam-refined non-freezing medicinal oil at 95s. per barrel, c.i.f. Spot, in small lots, 136s. per barrel, ex store, duty paid. Newfoundland, finest non-freezing medicinal oil, 132s. 6d. per barrel, ex store. British oil, non-freezing, finest medicinal, steady at 120s. per barrel, c.i.f., London, duty free.

Colchicum.—Root is quoted at about 45s. per cwt. and seed at about 1s. 5d. per lb.

Damiana leaves.—Very scarce on spot. To arrive quoted at about is. 6d. per lb., c.i.f.

Derris root.—There has been quite a good demand, and values are steady at 8½d. to 10d. per lb., as to test.

Ergor.—Following on sustained business of the past few weeks there is a generally firmer tone in this market. Spot, Spanish and Portuguese, 1s. 8d.; Russian, 1s. 5½d. per lb., for small parcels.

Gelatin.—Dealers' prices are steady, business fair: German, gold leaf, 2s. 4d.; silver leaf, 2s. 2d.; bronze leaf, 1s. 1od.; plain leaf, 1s. 8½d. per lb. French, gold leaf, 1s. 1od.; silver leaf, 1s. 8d.; bronze leaf, 1s. 6½d. per lb., in cwt. cases. British, No. 1, 80s.; No. 2, 70s. per cwt., in bags, carriage paid, less 2½ per cent. discount.

GINGER.—Values of West African are steady on a short market, business quieter. Spot, 29s.; for arrival, 27s. per cent coif.

Gum acacia.—Conditions are steady, market rather quieter: spot, Kordofan cleaned sorts, 34s.; bleached, 67s. 6d. to 72s. 6d. per cwt.; shipment, Kordofan cleaned sorts, 31s. 9d. per cwt., c.i.f.

Hydrastis.—The market shows some recovery, with shipment now at 4s. 4d., c.i.f. and spot, in small lots, at 5s. per lb.

IPECACUANHA.—Market is rather dull. Matto Grosso, spot, 48.  $4\frac{1}{2}$ d. to 48. 6d. per lb., as to quantity.

Lycopodium.—Some Russian treble sifted on spot is available at about 2s. 9d. per kilo.

MENTHOL.—Market is steadier, but still dull, except for a little inquiry for shipment. K/S brands, spot, 9s. 4½d. and less for bulk quantities; afloat, 8s. 6d.; shipment, June-July, 8s. 6d.; July-August, 8s. 7½d. per lb., c.i.f., from re-sellers. Japanese shippers quoting 8s. 10½d. per lb., c.i.f.

MERCURY.—The Spanish-Italian combine shipment price shows a further advance, and the market is reported firm with fair business being done. Shipment, 56 dollars f.o.b. Continent. Spot, £11 4s. to £11 7s. per bottle, ex store, as to quantity.

Pepper.—Values are slightly cheaper on the week, market is now steady. Lampong, spot, 5½d.; shipment, August-October, 4½d.; October-December, 4½d. per lb., c.i.f. Tellicherry, spot, 5½d.; shipment, April-May, 49s. 6d.; Aleppy, spot, 5½d.; shipment, April-May, 49s. 6d.; Aleppy, spot, 5½d.; shipment, May-July, 8½d.; August-October, 8½d. per lb., c.i.f.; July delivery, 9½d. per lb.

PIMENTO.—Keeping steady but rather quiet. Spot, 3½d. per lb.; shipment, May-June, 27s. per cwt., c.i.f.

QUILLAIA BARK.—Dealers quoting crushed bark at 30s. and powdered at 37s. 6d. per cwt., spot.

RED ROSES.—Supplies are scarce, with the price up to 3s. 6d. per lb., spot.

RED POPPY FLOWERS.—Dealers are quoting spot supplies at about is. per lb.

RUBBER.—Values are easier on the week, closing steady. Standard ribbed smoked sheet, spot, 5\frac{3}{4}d.; July, 5\frac{1}{6}d.; July-September, 5\frac{2}{6}d.; October-December, 6d.; January-March, 6\frac{1}{3}d.; April-June, 6\frac{1}{4}d. per lb.

SAFFRON.—Dealers' prices are cheaper, market steady: spot, prime B.P., 53s. 6d.; extra B.P., 50s.; super B.P., 49s. per lb., and slightly less for bulk quantities.

SARSAPARILLA.—Average small spot business at former rates: spot, native mixed colours, 11d. to 1s. id.; grey Jamaican, 1s. 7½d. to 1s. 9d. per lb., as to quantity.

Seeds.—Anise.—Spanish, first quality, 70s.; second quality, 52s. 6d., duty paid; Bulgarian, 42s. 6d., spot. Caraway.—Dutch on spot sold at 41s. Cortander.—Morocco, spot, 20s. It is reported that there is no old crop to be had for shipment; new crop for June-July shipment quoted at 15s., c.i.f. Cumin.—Malta, 62s. 6d., spot; Morocco, 60s., duty paid. Fenugreek.—Tunisian, 15s., spot; Morocco, 13s. quoted. Linseed.—Morocco offered at 20s. 6d., duty paid. Mustard.—English, 19s. to 32s., according to quality.

Senega.—No quotations for new crop yet to hand. Market very quiet on spot.

SENNA.—Shipment market for new crop Tinnevelly tends rather firmer, with shippers asking \(^1\_4\)d. to \(^1\_2\)d. per lb. more for leaves, and the limits for pods are also dearer by fully \(^1\_4\)d. per lb. The type samples to hand of new crop are rather disappointing, being rather badly marked. Spot goods compare very favourably and are quoted on a slightly lower level at the moment. In Alexandrian the arrivals of finest hand-picked pods continues small, and a definite shortage of these better grade pods seems likely during the coming months.

SHELLAC.—Rather dull, closing steadier and slightly lower on the week: spot, standard TN orange, 113s. to 118s.; fine orange, 125s. to 150s.; pure button, 127s. 6d. per cwt. For delivery, TN, August, 115s. 6d.; October, 116s. For arrival, TN, May-June, 110s. per cwt., c.i.f.

STRAMONIUM LEAVES.—Any available supplies are quoted in the region of 80s. per cwt.

TRAGACANTH.—A good demand continues for best white grades, with the finest scarce, with £32 now asked; No. 1, £28; No. 2, £27; No. 3, £25 per cwt. A little more inquiry for medium grades, but there is little doing in the textile manufacturing group.

Valerian Root.—Some good clean Belgian is quoted on spot at about 55s. per cwt.

Wax (various).—Bees' is in very short supply on spot and near positions, and the market continues firm at the further advances recorded. Abyssinian, spot, 102s. 6d.; shipment, 89s. per cwt., c.i.f. Benguella, spot, 102s. 6d.; shipment, 89s. per cwt., c.i.f. Dar-es-Salaam, spot, 105s.; shipment, 96s. per cwt., c.i.f. nominal. Carnauba shows a sharp recovery to-day and is now firm. Fatty grey, 105s., duty paid; 96s. in bond; 92s. 6d. afloat; shipment, May-June, 92s. 6d.; July-August, 94s. per cwt., c.i.f. Chalky grey, in bond, 92s.; shipment, 87s. per cwt., c.i.f. Primeira, 16os., duty paid; 145s. in bond; shipment, 140s. per cwt., c.i.f.

#### Essential Oils, etc.

Reports indicate that business, although still mostly for small quantities, has been more general this week. Sicilian lemon and orange are fully steady. Petitgrain shows a slight turn for the better. Neroli crop is reported poor with the forecasted new crop prices dearer.

ALMOND.—Some small spot business: foreign, cwt. lots, 2s. 4d.; smaller parcels, up to 2s. 7d. per lb. English-made, cwt. lots, 2s. 6d.; smaller parceis, up to 2s. 8d. per lb.

ANISE (STAR).—Spot is dull, shipment a point dearer: spot, "Red Ship," in leads, 1s. 10½d.; in tins, 1s. 8½d.; in drums, 1s. 7½d.; shipment, in leads, 1s. 8½d.; in tins, 1s. 7½d.; in drums, 1s. 6¼d. per lb., c.i.f.

Bergamot.—Rather more inquiry; shipment market steady at about 5s. 6d. per lb., c.i.f., for good brands. Spot oil is offering at 5s. 6d. to 6s. per lb., as to quality and quantity.

Bois de Rose.—A fair inquiry on spot; shipment is quite steady. Brazilian, spot, 4s. 8d. to 5s.; shipment, 4s. 4½d. per lb., c.i.f., for quantities.

Cajuput.—Dealers report fair business. B.P., 1932, 2s. 1d. to 2s.  $3\frac{1}{2}$ d.; green, 1s. 1od. to 1s. 11d. per lb., as to quantity.

Cananga.—Spot prices continue in the region of 7s. 3d. to 7s. 6d. per lb., as to quantity. Market quiet.

CARAWAY.—A moderate inquiry, shipment steady: Dutch rectified, five cwt., 8s. 5d.; one cwt., 8s. 9d.; smaller quantities, up to 9s. 4d. per lb., ex store. Crude, 5d. per lb. less.

Cassia.—Market is steady, small business: spot, 3s. 10d.; shipment, from 3s. 1½d. per lb., c.i.f.

CEDARWOOD.—A little more inquiry, market steadier. American, spot, about 1s. 4d.; shipment, about 1s. 2d. per lb., c.i.f., in drums. African is offering at about level prices on spot.

CINNAMON LEAF.—Business is fair with Ceylon on spot at about 2s. 9d. to 3s. per lb., as to quantity.

CITRONELLA.—There is not much interest in this market in shipment business. Java is steady forward at about 1s. 4½d. per lb., c.i.f., and shipments at the source are reported to be very satisfactory. Ceylon is dull with shipment offers in the region of 1s. 1d. per lb., c.i.f.

CLOVE.—Market is steady, business slightly better. Madagascar, 2s. 4d., c.i.f., and spot about 3s. 4d. to 3s. 6d. per lb. English-made, B.P., 3s. 6d. to 3s. 10d. per lb., as to source and quantity.

EUCALYPIUS.—Occasional inquiry with the Empire oil quoted at recent rates. Spanish, 70 to 75 per cent., 1s. 2d. per lb.

GERANIUM.—Very little interest shown in shipment offers of Bourbon at about 21s. per lb., c.i.f. Spot oil is quoted at about 21s. to 23s: 6d. per lb. African for shipment, 24s. per lb., c.i.f.

GINGERGRASS.—Market remains slack. Spot, about 4s. 6d.; shipment, about 4s. per lb., c.i.f.

JUNIPER BERRY.—Moderate business in smallish quantities. Spot quoted from about 2s. 10d. to 3s. 4d. per lb., as to quality and quantity.

LAVENDER.—Prices are being well maintained on a dull market. French 38 to 40 per cent., 15s. to 15s. 6d. per lb., landed, with some offers at less. 50 to 52 per cent., about 18s. per lb.

Lemon.—The shipment market for Sicilian hand-pressed is fully steady and more interest is being taken in shipment offers. First class oil is fully 3s. 8d., c.i.f., while other quotations are about 3s. 6d. Dealers quote oil on spot from 3s. 8d. to 4s. per lb., as to brand and quantity. Californian oil meets with a fair business on spot; in large drums, rs. road; in small drums, rs. raad, per lb.

LEMONGRASS.—The spot market is fairly steady owing to limited supplies at about 3s.  $4\frac{1}{2}d$ . to 3s. 6d., as to quantity.

Shipment is dull and again rather easier at about 2s. 7d. per lb., c.i.f., for prompt and cheaper for later positions.

Lime.—West Indian distilled on spot is quoted steadily at about 26s. to 27s. per lb. for small lots.

Mandarin.—Dealers' prices vary as to quality from 13s. 3d. to 15s. 3d. per lb. for small parcels on spot.

NERGLI.—Report from origin states the crop is a poor one and that the shipment price for first quality will be about 20s. per oz., and for second quality 15s. to 17s. 6d. per oz., duty paid.

Orange.—Shipment offers of Sicilian sweet are steady at about 5s. 3d. to 5s. 4d. per lb., c.i.f., and some brands are dearer. Inquiry is fair. Spot oil is quoted from 5s. 4d. to 6s. per lb., as to brand and quantity. Californian continues in moderate demand on spot; one case, 2s. 4\frac{1}{4}d.; two or more cases, 2s. 2\frac{1}{4}d. per lb. French Guinea oil for shipment is held in the region of 2s. 10\frac{1}{2}d., c.i.f., with no interest shown; spot offers are slightly under this figure.

PALMAROSA.—Market is dull and rather unsteady. Spot, about 5s. 8d. for small parcels; shipment, about 5s. per lb., c.i.f.

PATCHOULI.—Tends to be rather steadier forward at about 5s. 6d., c.i.f. Spot offers are from 5s. 9d. to 6s. per lb.

PEPPERMINT.—The market is very steady, but business is slow with only a limited inquiry for affoat and April-June shipment. Japanese, spot, 3s. id.; afloat, 3s.; May-June, 3s.; July-August, 3s. id. per lb., c.i.f., from re-sellers. Japanese shippers quoting 3s. 4½d. per lb., c.i.f. American natural oil in drums is steady on a slow market at 2 dollars 50 cents per lb., c.i.f.

PETITGRAIN.—The market shows some recovery with spot at 3s. 11d. for one-case lots, and shipment at 3s. 5d. per lb., c.i.f.

ROSSMANN—Fair business with prices beginn steady. First

ROSEMARY.—Fair business with prices keeping steady. First quality Spanish, is. 8d.; second quality, is. 4½d. per lb., c.i.f.

Sandalwood.—Genuine East Indian Mysore shows no further alteration at 19s. per lb. for one-case lots. English-made West Indian and East Indian quoted unchanged.

SAFROL.—Prices are quoted on the higher levels of from is. 6d. to is. 9d. per lb., as to quantity.

Spearmint.—Rather more inquiry with the market steadier. Spot, about 6s.; shipment, about 5s. 4d. per lb., c.i.f.

SPIKE.—Finest quality Spanish is well maintained on spot at about 5s. per lb. Market quiet.

WINTERGREEN.—Dealers are quoting from 6s. to 6s. 9d. per lb., as to quantity, spot.

Wormseed.—More inquiry, market steadier. Spot, about 8s. 4½d. to 8s. 6d.; forward fully 7s. 4½d. per lb., c.i.f., for quantities.

#### Fixed Oils, etc.

A Moderate business is being done with values fairly steady. Linseed oil is again dearer and very steady. American Turpentine is cheaper and now steady. Palm oils are quoted at lower figures, market dull. Acto oils.—Rather quieter with the market steady as quoted: coconut and/or palm kernel 16s. 3d.; groundnut, 15s. 3d.; soya, 14s. 6d., spot. Castor.—Continues steady with a fair business passing: pharmaceutical, 37s. 6d.; first pressings, 32s. 6d.; second pressings, 29s. 6d. (barrels); cases, £4 per ton extra, ex mills, Hull, in not less than one-ton lots; Bombay, 23s. 6d. (drums), c.i.f. Coconut.—Market is steady at the lower prices, business quieter: deodorised, 23s. 6d. (barrels), spot; Ceylon, mill, 13s. 6d. (drums), c.i.f. Cotton.—Values are about maintained with business moderate: deodorised, 20s.; common edible, 18s. 6d.; soapmaking, 17s. 9d.; crude, 15s. 6d. (barrels), spot. Groundnut.—Business limited, market about steady: deodorised, 26s. (barrels), spot; crude Oriental, 18s. 6d. (drums), c.i.f. Linseed (raw, naked).—Market continues steady with values showing a further advance: on spot, 24s.; June, 22s. 7½d.; July-August, 22s. 10½d.; September-December, 23s. 1½d.; January-April, 23s. 1½d. Boiled cil, spot, 26s. 3d. Olive.—A very fair business with the market steady: edible, in tins in cases, 70s. per case of ten gallons; B.P., 5s. per gallon, in 40-gallon barrels. Palm.—At the lower figures quoted the market is steady but on the quiet side: Lagos, 12s. 3d., shipment; softs, 12s. 1½d., shipment; mediums, 12s., shipment; hards, 12s. 6d., shipment; bleached, 15s. 6d. per cwt., spot. Palm kernel.—Quoted a point easier, market steady but dull: deodorised, 23s. 6d.; crude, 17s., spot. Rape.—Market is steady business quiet. Refined, 31s. 6d.; crude, 30s., spot. Resim.—Market is dull and quoted slightly easier. B, 14s. 3d., D, 14s. 6d.; F/G, 15s. 3d.; N, 16s. 3d.; W/G, 16s. 6d.; W/W, 16s. 9d. per cwt., ex wharf. Soya.—Market is fully steady as quoted: deodorised, 23s. 6d.; crude, 18s. 6d., spot. Turpentine,

### Commercial Notes

Australian drug, chemicals and fertilisers imports.—The landings for the period July, 1933, to February, 1934, were valued at £2,310,400, as compared with £2,569,400 for the corresponding period ended February, 1932.

CHINA MUSK EXPORTS.—Shipments during recent years were as follows:—1929, 39,108 taels; 1930, 15,477 taels; 1931, 14,302 taels; 1932, 8,222 taels (16 taels = 1.33 lb.). The yearly crop from Sikang and district is reported to be nearly 20,000 pods.

U.S.A. PSYLLIUM SEED IMPORTS.—Arrivals during the period January-March, 1934, amounted to 450,000 lb., valued at \$35,000, as compared with 1,624,000 lb., valued at \$85,000, for the same period of 1933, and 1,482,000 lb., valued at \$188,000, in 1932.

Durch West Indies aloes exports.—Shipments for the past four years were as follows:—1930, 415,570 kilog., valued at 353,024 florins; 1931, 367,020 kilog., valued at 235,797 florins; 1932, 295,490 kilog., valued at 95,764 florins; and for the first nine months of 1933, 549,000 kilog., valued at 53,000 florins.

DUTCH EAST INDIES DRUG EXPORTS.—During the third quarter of 1933 cinnamon exports increased from 2,223 metric tons to 2,370 inetric tons. Mace exports declined from 539 metric tons to 474 metric tons. Clove exports increased from 80 metric tons to 216 metric tons. Shipments of nutmegs showed a gain from 2,707 metric tons to 2,911 metric tons.

Java citronella oil exports.—Shipments for the first four months of the years 1931 to 1934 were as follows:—

January February March	74 73 69	1932 63 83 72	1933 107 114 103	1934 160 tons 134 tons 126 tons
April	72	91	110	150 tons
Total	288	309	434	570 tons

U.S.A. IMPORTS OF PYRETHRUM.—Landings during the years 1924 to 1933 were as follows:—

			Lb.		_	Lb.		
1924 1925 1926 1927 1928			3,945,000 6,435,000 9,853,000 8,993,000 13,689,000	1929 1930 1931 1932 1933			9,013,000 8,536,000 4,521,000 12,111,000 10,435,000	

Arrivals during January-March, 1934, totalled 2,010,000 lb.

U.S.A. SYNTHETIC AROMATICS IMPORTS.—Landings during 1932 totalled 67,469 lb., valued at \$105,052, compared with 46,053 lb., valued at \$77,186, in 1933. During the period January-March, 1934, imports totalled 6,454 lb., valued at \$13,383, compared with 12,243 lb., valued at \$18,247, for the same period of 1933, and 18,048 lb., valued at \$41,220, in the first three months of 1932. Particulars of imports for the first quarter of 1933 and 1934 are as follows:—

		First Quarter			First Quarter	
		1933	1934		1933	1934
Amyl salicylate Benzyl acetate Benzyl benzoate Coumarin Diphenyl oxide Heliotropine		lb. 201 1,532 541 684 400 590	lb. 208 356 100 50 11 229	Methyl authranilate Phenyl ethyl alcohol Phenyl ethyl sali- cylate Salicylic aldehyde Vanillin Ethyl vanillin	lb. 799 1,708 410 1,124 510 657	lb. 656 406 — — — 300

ITALIAN SULPHUR PRODUCTION.—The total output in Sicily and the mainland during 1934 was 361,657 tons, as compared with 349,976 tons during 1932. Deliveries from Sicilian mines during 1933 amounted to 181,460 tons, against 233,780 tons in 1932. Deliveries from mainland mines during 1933 totalled 92,000 tons, against 102,432 tons in 1932. Stocks in Sicily at December 31, 1933, were estimated at 189,160 tons, against 145,350 tons at the end of 1932. The total sales during 1933, domestic and export, amounted to 300,170 tons, compared with 349,530 during 1932.

# Correspondence

Letters should be written on one side of the paper only. Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

#### Council Election

SIR,—I beg to express my gratitude to all who voted and worked for me at the recent Couucil Election. Though an unsuccessful candidate, I am none the less grateful for the assistance given me.-I am, etc.,

T. HAMER.

Chorley.

#### A P.A.T.A. Problem

SIR,—A copy of a circular has just reached me advertising a "Great Chemist's Sale" in which, amongst other items, 300 aspirin tablets were offered for 1s. 9d., Cuticura soap at rod. each, cotton-wool at  $6\frac{1}{2}$ d. per lb. and malt extract with cod-liver oil at  $7\frac{1}{2}$ d. per lb. On the back page is a "personal guarantee" signed by W. O. McBryde. Mr. McBryde is a member of the P.A.T.A. Council. The objects of the P.A.T.A. as set out in the P.A.T.A. Year-Book provide for the taking of necessary action to prevent unrestrained price cutting. It should be understood that that "object" does not state "of P.A.T.A. lines only" but refers to a practice which to many of us is a growing menace. It would be interesting to know what Mr. McBryde has to say to justify his attitude in business, which is at direct variance with the objects of an Association on whose Council he serves.—Yours faithfully,

A Younger Pill (28/5).

[We have submitted a copy of this letter to Mr. McBryde, whose reply is printed below.—Editor.]

Sir,—I take it that the letter from "A Younger Pill" is written with no personal animus but in the interests of the Association. To my mind the title "Proprietary Articles Trade Association" designates and limits its activities to proprietary articles, although the words used in the framing of the constitution, as is usual in associations and for legal purposes, may be open to a wider inter-pretation. Since its inception, its activities have been limited to dealing with such proprietary articles as can, by agreement between manufacturers, wholesalers and retailers, be placed on a list, called a protected list, in which the retail price is stated, the wholesalers' profit protected, and the manufacturers' prices and terms fixed. As I understand it, price maintenance, so far as the P.A.T.A. is concerned, is limited to this published list. Its usefulness may be extended by securing additions to the list, but only in so far as it is able to control the price of the articles listed. Putting aside for the moment the suitability or otherwise of myself for the position, I suggest that the man most needed on the retail section of the P.A.T.A. Council is the experienced business man who does not substitute, who deals largely in the retail sale of P.A.T.A. articles in accordance with his agreement, who gives preference to their sale by window shows and counter displays and sees that no obstacle is placed in the way of their distribution to the public which would in any way depreciate the article itself, or the money which has been spent by the manufacturer in advertising his goods. If this man had also some experience in committee work and the administration of other national and local bodies, that would increase his usefulness by broadening his outlook and helping him to give expression to his views. In my view, any scheme of price maintenance which is not able to control a fixed or standard price in every channel of distribution can be of little national value to chemists. The multiple-shop companies may be and are strong supporters of P.A.T.A. prices and are accepted as generous subscribers to P.A.T.A. funds, but the prices circulated privately to the branches with which some of us have to compete are infinitely lower than the price list published by the N.P.U. There is no standard price, no agreement between manufacturers, wholesalers and retailers; and the special competitive price list also published by the N.P.U.

is a recognition of the fact that competitive circumstances and conditions must vary prices. I have to maintain my business in a main but cheap shopping thoroughfare with extremely high rentals and assessments in competition with several branches of chain stores, drug departments, "co-ops.," etc., in a street now principally composed of multiple shops, and I am not going to apologise for the business ability and enterprise which have enabled me to stop there as one of the few private traders left. But, for these reasons, I am perhaps more interested than most in the vigorous prosecution of the protection work of the P.A.T.A., and it was for this purpose that I was nominated and elected to the Council of that body.— Yours faithfully,
W. O. McBryde.

Croydon.

#### Platform Promises

SIR,—I am not surprised that Mr. J. F. McNeal has missed the point of my criticism in his letter in your issue of May 12 (p. 545). A man of political maturity would know that, except on matters of major importance which have been before the public for some time, platform promises must be worthless. First, assuming he has the power, the speaker is unable to implement his promise because he finds that other interests have to be considered. Secondly, a question such as the one asked and answered at the Albert Hall depends entirely on the interpretation of the important terms. It is quite possible that, in a transport of Fascist enthusiasm, the answer was applauded by a grocer who sells packed drugs. It is possible, too, that the answer was greeted even more enthusiastically by a Fascist medical practitioner, whose interpreta-tion of the word ''quackery'' would not coincide either with Mr. McNeal's or the grocer's. As a pharmacist, I protest against the attempt of any man (most of all one who has now been rejected five times by the pharmaceutical electorate) to tie pharmacy to any political party. Let a pharmacist belong to any party he thinks fit, but pharmacy must remain non-political. To attach pharmacy to one political party means that, *ipso facto*, we antagonise all other parties, and our just claims will be opposed in a spirit of faction.

Your obedient servant, C. B. Y. (30/5).

#### Reconstruction

SIR,—I read with keen interest Mr. Wood's letter in the C. & D. of May 19 (p. 581). Here at long last is hope that every disappointment, trouble and worry afflicting our jobless and discontented brethren will be charmed away—we need only join the B.U.F. Perhaps Mr. Wood will be generous enough, before I send in my application for enrolment in the Fascist Union, to dispel one or two foolish doubts that persistently assail my mind. First, assuming that he has Sir Oswald Mosley's authority to promise the millennium to pharmacists, and that when we have helped him to power he will not forget his generous promises to us, what is to prevent the identical promises being made to drug-store proprietors and their unemployed or discontented staffs, or indeed to all the many trades—hairdressers, grocers, even the dispensing doctor-at present competing with the pharmacist, each of whom will inevitably have his own corporative representative? Secondly, evidence is there that our representative will possess greater powers in the corporative State than the members we are able to send to our present democratic Parliament? Is not the dictator or Führer in the Fascist State likely to ride roughshod, when we have seated him firmly in the saddle, over the opinions and wishes of the pharmaceutical or other representatives if he so desires? Mr. Wood dare to criticise or even to remind him of his specious promises without risking an

"vacation" in a concentration camp? Thirdly, is the illusion of a German Eldorado so glibly promised by our Blackshirt enthusiast sufficient compensation for a certain loss of all individual liberty, of freedom of thought, speech, of movement and action, and indeed of our cherished Habeas Corpus itself? What reason has Mr. Wood to presume that Fascist dictatorship in England will be superior in any way to its tyrannical prototypes on the Continent, with their tactics of preventive custody, concentration camps, beatings, confinements in stone coffins, bombings, shootings, "suicides," and the rest of the stupid fratricidal strife on which they base their power? Mr. Wood will do well to study the Fascist ritual a little closer before he attempts to convert his fellow chemists to the new "religion." Yours faithfully,
D. A. GREAVES.

London, E.9.

#### Rare and Refreshing Fruit

SIR,-I recently had the privilege of attending the hearing of an appeal against a surcharge imposed on a hearing of an appeal against a surcharge imposed on a panel doctor by an Insurance Committee. As a panel chemist I heard much which gave me "furiously to think." The reasons given for the imposition of the surcharge were:—(1) Unnecessary use of flavouring agents. (2) Disregard of dispensing fees. (3) Excessive frequency. The "delinquent" rather stole the thunder of the Committee by freely admitting that he had been lavish in his use of flavouring agents, and had on occasions prescribed "broken" dozens of tablets, etc., but submitted that the sum involved was a little over one per cent. of the total cost of medicines for the period. The Committee, on the suggestion of the chairman, decided to let the matter drop. I think it will be enlightenment to some pharmacists to learn that (in some quarters at least) ext. glycyrrhiz. liq., syr. tolu. and some infusions are looked upon as being purely flavouring. I hope panel practitioners will note that in giving one powder thrice daily for ten days they are possibly giving the chemist a fraction of a penny as "unearned income," and that the proper thing to do is to give either eight or twelve days' treatment. The doctor in this case had pleaded that he had a large number of chronic cases who continually required medicine. The Panel Committee held that a patient was not considered as being chronic unless he (or she) was in receipt of a certain pink slip stating that the patient was continually unfit for work. In other words, a person who is fit to work should not be getting medicine continuously. Amongst the cases taken exception to were those of several epileptics, who by taking one or two doses of medicine were able to carry on. One man had been threatened with dismissal previous to getting his regular bottle, but had since worked for two years without complaint. One of the Committee said that a certain preparation was good enough for his grandmother and was good enough for him! The same person (a doctor) stated that I oz. of tinct. iodi fort. was sufficient to keep a surgery going for a whole year. It was not good hearing for a pharmacist that a popular mouth wash and gargle could be prepared in any average kitchen with the aid of baking soda and flavours. I could not forbear interjecting a query as to where the sodium sulphocarbolate was to come from. I wonder if those who support the National Health Insurance Act really consider that the patients (and their employers) who pay for this service get anything like value for their money. The doctor gets his ros. whether he sees the patient or not. He is indirectly threatened that he may be liable to a heavy fine if he lets the chemist get too much. In this case the cost of professional fees to the chemist for treating these patients was under 5 per cent. of the doctor's remunera-tion, and was pointed out as contributing to the exces-sive amount paid. The iron hand of bureaucracy is gradually subordinating the efficiency of the medical profession. It is high time someone looked into the overhead expenses of National Health Insurance administration.—Yours, etc.

B. SMUTH (15/5).

#### Photographic Charges

SIR,—I am in entire agreement with "One of the Awkward Squad" (C. & D., May 26, p. 608), and the sooner the charge for "duds" is abolished the better for all concerned. In my own district photography is definitely a luxury, only made possible by the coupon camera. When a charge is made for no results as amount camera. When a charge is made for no results no amount of encouragement will induce the customer to continue his unproductive hobby. During the last three years my sale of films, together with D. and P., has gradually decreased, owing to sale of films by the and now a chemist competitor offers a D. and P. service at cut prices. Consequently I regard this charge for "duds" as an outrage, and would suggest the immediate return to "no charge."

Yours faithfully, C. R. M. (28/5).

#### Panel Dispensing in Scotland

SIR,—Now that the axe has fallen heavily on panel prescribing it would be interesting to know where the surplus of the drug fund is going. Is it drifting south to balance the English budget, where I believe the rate per person for medicines is nearly double that of Scotland? Perhaps our new-made member for Scotland, whom I voted for, may enlighten us on this matter.

Yours truly, A. MACRAE.

Glasgow.

#### This Membership

SIR,—I have hesitated to write on the latest move by the Pharmaceutical Society of Great Britain, but the receipt of a further intimation from them by registered post, containing the information (or threat) that non-compliance with this new Act deprives me of any legal status as a pharmacist calls for some remark. Their status as a pharmacist calls for some remark. Their action is legal: that is unquestionable. Its morality is another matter. I was examined, passed and registered in 1897, and that after paying the prescribed fees; and the retention of my name on the Register cannot have been the cause of any expense, I imagine. I left England shortly after, and should never dream of returning unless drug trade conditions have improved very much since, which I doubt, from all I hear and read; and whether my name remains on the British Register or not makes no practical difference to me, being registered here. Nor, whether a man is resident in Great Britain or elsewhere, is the guinea-and-a-half so vital a matter, as the man who cannot manage that much per annum is better dead. What I object to is the absurd anomaly of declaring a man qualified and issuing a certificate to that effect, and then, years after, threatening to declare him unqualified (by erasure of his name) unless he makes an annual payment. I retain my certificate, also my money, and will part with neither: the Society may declare I am no longer on the Register, but my continued pos session of my certificate makes the declaration rather foolish, it seems to me! The plain truth is that all this is of a piece with the Society's general attitude to the small man ever since I remember it (since 1887): the Society has never yet possessed the confidence of chemists as a body, nor, in consequence, their support. As all now must belong to it, probably all will exercise their right to vote, and a complete "bouleversement" will take place—and high time, too! When the 1868 Act was passed, it was prospective, not retrospective: existing conditions were only disturbed to the extent of imposing a "Modified" examination on bona-fide apprentices and assistants then in the trade: old hands were let alone and are mostly long since dead. The same policy might well have served this time; but the world now seems given over to high-handed dictatorial methods of this kind, and we have changed the chariot of progress for the steam roller of what is really only a glorified Bumbledom. Meanwhile I and thousands like me possess our duly granted certificates from a Society which officially denies our existence. What a pity W. S. Gilbert is dead!—Yours faithfully,

Turffontein, Transvaal.

A. W. VENTHAM.

### Dispensing Notes and Difficulties

#### Unaccountable Dampness

SIR,—The following powders become damp and caked in a few days:—

 Salol
 ...
 gr. x.

 Hydrarg. c. cret.
 ...
 gr. ss.

 Pyramidon
 ...
 gr. iij.

 Mag. ox. pond.
 gr. v.

 Ft. pulv. Mitte, etc.
 gr. v.

How can the powders be dispensed so as to overcome the difficulty?—Yours faithfully,

A. E. S. (1/9).

[We do not understand why these powders get damp. There is no reaction between any of them if they are dry when mixed, as each substance is very stable. We have mixed them, and wrapped them in plain powder papers, and another lot in waxed paper covering, with no visible change. The powder in each remained dry and suitable to send out. We mixed the powders dry, on white paper, with a vulcanite spatula, before weighing them out. If the salol and pyramidon are in large crystals you may have to powder them in a mortar, but we find a spatula sufficient to reduce the mixture to a suitable fineness.]

### Legal Queries

- A. B. (10/2).—In the case of an intestacy, what are the rights of the eldest son of the deceased? [Since 1925, the eldest son has been in no more favourable position than his sisters or younger brothers. All children share, equally, property passing to them under an intestacy.]
- J. P. G. (29/1) is tenant of a shop. When he vacates the premises, will he be entitled to take away an outside blind which he put up at his own expense during the tenancy? [Assuming that there is no special agreement or clause in the lease to the contrary, "J. P. G." is, in our opinion, entitled to remove the blind if no material damage to the premises will be done thereby. He must make good any slight damage that is necessarily involved by the removal.]
- J. F. T. (14/3) has agreed to buy a business and to take over the stock and fixtures at a valuation. Who usually pays the valuer's fee, the seller or the purchaser? What is the usual charge for such a valuation? [As a rule, when only one valuer is employed, the seller and the purchaser pay half the fee each. So far as we know there is no recognised charge for a valuation of this kind. An arrangement is generally come to in advance as to the amount of the fee.]
- A. G. K. (28/II).—A man and his son are carrying on business together in partnership under a style which consists of their surname with the addition of "& Son." Must the names of the partners be shown on post cards and menorandum forms? [The firm must be registered under the Registration of Business Names Act, 1916, and the partners' names must be stated on "all trade catalogues, trade circulars, showcards and business letters" on which the firm's name appears. This obligation would, in our opinion, extend to post cards and memorandum forms.]
- F. L. O. (3/II) employs a charwoman once a week to wash his shop floor, paying her a shilling. She is also employed at irregular intervals by three other householders. Must the woman be employed under the National Health and Unemployment Insurance schemes? [If she is employed only in domestic work, she need not be insured under the Unemployment Insurance scheme; but she is, in our opinion, liable to be insured under the National Health and Pensions scheme seeing that she is employed regularly by "F. L. O." and other persons. It is usual, in such cases, for employers to pay their share of the weekly contribution in rotation; but it is the duty of the person who first employs the woman during the week to see that her card is stamped.]

### Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

H. G. K. (38/55).—HAIR-SETTING LOTION.—A formula for a hair-setting lotion containing ammonia is as follows:—

Potas. carb. .. Liq. ammon. .. .. mv. . . Glycerin. .. . . . . Spirit .. .. 3ij. . . . . Aq. flor. aurant. .. ʒiij. ٠. Perfume .. q.s.

C. M. B. (8/58).—Skin bronzing preparations.—The basis of preparations for imparting a bronzed appearance to the skin is a vegetable oil, preferably olive oil, sesame oil or arachis oil. In the majority of instances the oil is sold plain, or slightly perfumed, with directions to rub it into the skin before exposure to the sun. The oil is occasionally coloured by the addition of vegetable colour, which, however, has no staining action as such. The following is a formula for a preparation extensively used:—A mixture of 2½ drachms of powdered cudbear, ½ drachm of henna powder, 3 oz. arachis oil, or almond oil, is macerated at 120° F. for 3 hours and then filtered. If olive oil is used it is advisable to omit the henna. Recently a special dye, soluble in a vegetable oil, for the preparation of skin bronzing oils, has been placed on the market under the name of waxoline brown. The application of anhydrous eucerin is also recommended for the same purpose.

In addition, the following preparations are in use on the Continent for producing a sunburn appearance:—

Arachis oil ... ... 60 gm.
Olive oil ... ... 38 gm.
Bergamot oil ... ... 1 gm.
Sonnenbraun No. 1734 ... 1 gm.

This produces browning of the skin as the result of direct application.

Ouinine sulphate ... 2 gm.
Liquid extract of
hamamelis 5 gm.
Wool fat ... 10 gm.
Arachis oil ... to 100 gm.
The quinine sulphate is triturated with a portion of the wool fat and the liquid extract of hamamelis is also mixed with the rest of the wool fat; the arachis oil is then gradually added.

Arachis oil ... ... 60 gm.
Olive oil ... ... 35 gm.
Bergamot oil ... I gm.
Laurel berry oil ... 3 gm.
Chlorophyll ... ... I gm.
Nos. II and III produce
browning after application and
on exposure to the action of
the sun.

Extract of tormentilla in a mixture of wool fat and vegetable oil is also used for producing a sunburn appearance of the skin.

### Retrospect of Fifty Years Ago

Reprinted from
"The Chemist and Druggist," June 14, 1884

#### Elias Bremridge

The old landmarks seem to be removed when we read of the proposed resignation of Elias Bremridge as the secretary of the Pharmaceutical Society. . . . We may bear testimony to that unbroken kindness and consideration which he extended to all alike. Nowhere could a pharmacist meet with a warmer welcome or with more sound advice than from the esteemed director of the secretariat. Increasing years alone have not weakened his powers. His . . actual share in the safe conduct of our political affairs more than once unduly tasked his energies. . . Whenever the final retreat from public affairs takes place Mr. Bremridge will carry with him the respect, the good wishes and the friendship of all those with whom he has for so many years been associated.

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WITHOUT ANY ADMIXTURE WHATEVER

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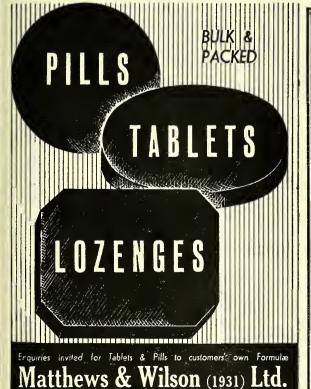
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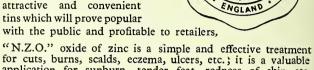


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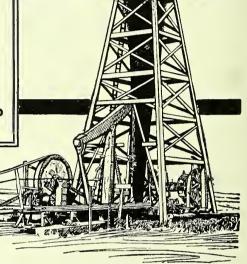
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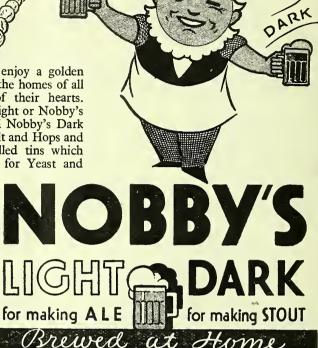
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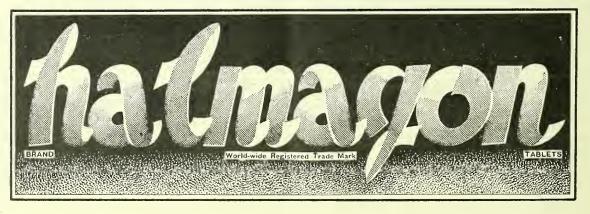
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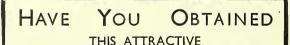
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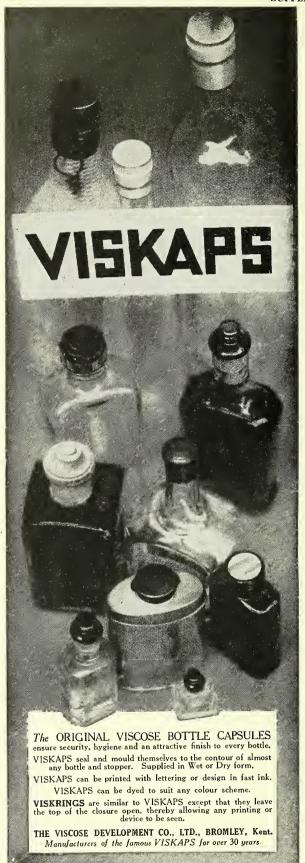




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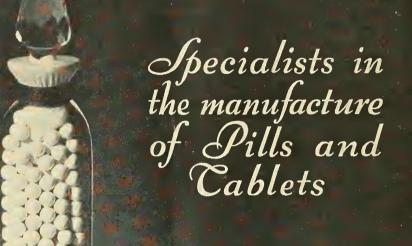
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MANUFACTURING CHEMISTS

BRIGHTON

# DRUGGIST

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C. 2

JUNE 2, 1934

# ADVERTISEMENT TARIFF

ALL ADVERTISEMENTS are PREPAID, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time. BUSINESSES WANTED and for DISPOSAL, PREMISES TO LET and FOR SALE, PREMISES WANTED, PARTNERSHIPS, GOODS for SALE and AGENCIES—6/- for 50 words; every additional 10 words or less, 6d. (Box No. 1/- extra.)

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THE CHEMIST & DRUGGIST, 28 Essex St., Strand, London, W.C.2 Telegrams: "Chemicus, Estrand, London." Telephone: Central 6565 (8 lines).

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All advertisements intended for insertion in this Supplement

must reach us not later than

POST THURSDAY MORNING FIRST

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May be CONSULTED at their Offices on MATTERS of SALE, PURCHASE & VALUATION

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r.—HIGHGATE (NEAR) (Death Vacancy).—Cash Retail Business offering scope for considerable expansion; returns over £1,300; accountant's figures; new lease; good living accommodation; price

£1,000.

2.—CROYDON (NEAR).—Branch Business for disposal owing to management difficulties; established about 25 years and returning £1,500-£1,600 per annum; stock and fixtures worth £650; rent £65 per annum, held on lease; price £1,000 or near offer or valuation terms entertained.

3.—RAYNES PARK (NEAR).—Good-class Business with Kodak Agency; returns exceed £1,500 per annum; growing neighbourhood; modern living accommodation; price £250 plus valuation, in all about

4.—WANDSWORTH (NEAR).—Branch Business for disposal showing

increasing turnover; present rate £25-£30 a week plus panel; good living accommodation; long lease; rent £78 per annum; price £1,100.

5.—CITY BUSINESS.—Cash trade with Kodak Agency; returns present rate £45-£30 per week; stock and fixtures worth £1,050; rent and rates £250 per annum; new lease recently granted; price £1,650.

6.—SEVEN KINGS (NEAR).—Working-class Business showing net profit last year of £861 (accountant's figures); good living accommodation with bathroom; reasonable rental; long lease with option to purchase premises; price about £2,000; Vendor leaving trade.

7.—S.E. LONDON.—Vendor aged 88 contemplates retirement and is prepared to receive offers for his General Retail Business and freehold premises; double-fronted corner shop with excellent panel and good cash receipts; further details to genuine applicants.

8.—HARROW (NEAR).—Good Middle-class Retail Business with

8.—HARROW (NEAR).—Good Middle-class Retail Business with increasing turnover; takings last year £2,370; gross profit about 35 per cent.; double-fronted shop very nicely fitted and well stocked; flat available if required; reasonable rental; long lease; valuation terms entertained; Vendor would be prepared to remove stock.

9.—METROLAND.—Cash Retail Business with side lines conducted under the management of a lady; net profit £500 per annum; reasonable rent and lease with excellent sublet; price £1,025 or near offer.

10.—CHELSEA (NEAR).—Middle-class Light Retail Business established 50 years; returns  $f_{1,160}$ ; net profit  $f_{300}$ ; stock and fixtures worth  $f_{600}$ ; rent  $f_{90}$ ; sublet  $f_{77}$ ; price  $f_{700}$  or near offer.

11.—BOURNEMOUTH (NEAR).—General Retail Business with Radio and Gramophone records; established 16 years; turnover £2,500; scope for Pharmacy; stock and fixtures worth £1,600; modern living accommodation; garage; price £2,000.

12.—SOUTHAMPTON (NEAR).—Good-class Country Retail Business established nearly 200 years; returns £3,200; good profits; new lease at £150 per annum; let-off £45 per annum; price £2,050.

13.—BOURNE END (NEAR).—Good-class Retail Business; net profit £500 per annum; accommodation; long lease at £70 per annum; price £1,250.

13.—BOURNE END (NEAR).—Good-class Retail Business; net profit \$500 per annum; accommodation; long lease at \$70 per annum; price \$f\_{1,250}.

14.—NORTHANTS.—General Retail Business with excellent Photographic connection; returns under management \$f\_{1,500} per annum; scope; rent \$f\_{150} per annum; sublet \$f\_{99}\$ per annum; price \$f\_{1,350}\$; genuine reason for disposal.

15.—HANTS.—High-class Retail Business for sale owing to retirement of owner; net profit last year \$f\_{375}\$; stock and fixtures worth \$f\_{650}\$; new lease at \$f\_{75}\$ per annum; price \$f\_{400}\$ plus stock and fixtures worth \$f\_{650}\$; new lease at \$f\_{75}\$ per annum; price \$f\_{400}\$ plus stock and fixtures worth \$f\_{650}\$; new lease at \$f\_{75}\$ per annum; price \$f\_{400}\$ plus stock and fixtures at valuation.

16.—CORNISH RIVIERA.—Good-class Retail Business with Optical connection; returns exceed \$f\_{2,300}\$; very good profits; further details to genuine applicants with \$f\_{1,850}\$ at command.

17.—GLOUCESTERSHIRE.—Good Middle-class Family Retail Business established by Vendor 8 years ago; returns last year \$f\_{1,700}\$; net profit \$f\_{400}\$; excellent modern living accommodation with bathroom; garden 20 yards; price \$f\_{2,250}\$ to include freehold premises which cost the Vendor over \$f\_{1,600}\$.

18.—FSSEX (30 MILES OUT).—Drug Store with Kodak Agency situate 4 minutes from the sea; vastly growing area, 2,000 houses in the district worth about \$f\_{1,000}\$ each; returns increasing, last year over \$f\_{1,000}\$; audited accounts; modern living accommodation built to Vendor's design; nice garden; 2 garages; property can be purchased on mortgage; price of business \$f\_{550}\$.

19.—S. DEVON.—Middle and Good-class Retail Business established 184; returns last year \$f\_{2,066}\$; net profit over \$f\_{600}\$; rent \$f\_{60}\$ per annum; good living accommodation; lowest price \$f\_{1,650}\$.

20.—BIRMINGHAM (SUBURBAN).—Working-class Business with N.H.I. and Kodak Agency; established 50 years; increasing turnover, last year being \$f\_{1,080}\$; audited accounts; net

£350; price £485.

# Chemists' Transfers, Valuations for Sale, Stocktaking & Probate

Special Terms for Income Tax Valuations and Preparation of Accounts by Qualified Accountants.



(C1) HANTS.—Good-class business very old-established; turnover upwards of £3,000 per annum, and steadily increasing; reasonable rental; long lease; price by negotiation.

(C2) LONDON, N.W.—Attractive modern lock-up pharmacy, with exceptional potentialities; present turnover approximately £2,500 per annum; scope for extensive development; price by arrangement.

(C3) SOMERSET.—Old-established family and dispensing business with good living accommodation; turnover approximately £2,300 per annum; net profit about £550; rent £100; very long lease; fixtures, goodwill and lease £1,050, stock at valuation; offers considered.

(C4) DEVON.—Unopposed country business, established over 50 years; average net profit for past two years, £610 per annum; good living accommodation, with every convenience; rent £60; price £1,800 all-at.

(C5) MANCHESTER SUBURB.—Exceptional opportunity to acquire substantial and progressive business at a very low figure for a quick transaction; good reasons for disposing; turnover upwards of £1,850 per annum and steadily increasing; reasonable rental; good position; price to comprise little more than value of stock and fixtures; early enquiries strongly advised.

(C6) LONDON, N.W. (DEATH VACANCY).—Old-established pharmacy, situated in good-class district; average returns approximately £2,000 per annum; good living accommodation; offers invited for purchase of business and leasehold property.

(C7) LONDON, S.W.—Good-class business, situated in main shopping thoroughfare; turnover upwards of £2,000 per annum; net profit about £450; low rental; price by arrangen.ent.

(C8) NORTH DEVON.—Excellent profit earning business, situated in congenial market town, near to coast; the turnover during the past 4 years has consistently averaged approximately £2,225 per annum, with a net profit of £500; freehold can be acquired on very favourable terms, and the business also can be purchased on a reasonable basis; full details to genuine prospective purchasers upon application.

(C9) SOUTHERN COUNTY.—Established bu

(C10) GLOUCESTERSHIRE.—Up-to-date pharmacy, with good potentialities; present turnover approximately £2,000 per annum; net profit £400; property also available; no near opposition; price by arrangement.

arrangement.

(Cr1) WEMBLEY (NEAR).—Attractive modern pharmacy with living accommodation, and valuable sideline, which could be continued or otherwise, as desired; turnover for 1933, £1,609; net profit £495; price £1,025; offers considered.

(Cr2) BRIGHTON.—Main-road cash business, with excellent potentialities, can be acquired for a quick sale at an all-in figure of approximately £650; turnover about £20 per week, with plenty of scope for development; reasonable rental, including living accommodation; full details upon application.

ment; reasonable rental, including living accommodation; full details upon application.

(Cr3) £180 ALI\_AT.—Pharmacy, situated in leading business thorougheare of popular seaside resort, can be acquired at this low figure for a quick transaction; excellently suited to chemist with limited capital; reasonable rental; abundant scope; full details upon application.

(Cr4) BIRMINGHAM.—Exceptional opportunity to acquire a business with excellent scope at a very low figure; present turnover approximately £20 per week; good percentage profit, as the rent (£70 per annum) is almost wholly covered by sub-letting; first reasonable offer accepted for quick sale. quick sale.

aminost whonly covered by subretching, hist reasonable oner accepted for quick sale.

(C15) HARROW (NEAR).—Drug store situated in busy main thoroughfare; exceptional scope for development under qualified proprietorship; owner has another appointment in view, and is open to accept a very reasonable offer for a quick sale.

(C16) EUSTON (NEAR).—Attractive lock-up pharmacy situated in populous residential district; present net profit to owner-proprietor approximately £300 per annum; excellent scope for further increase; price £700 or offer.

(C17) WEST-END.—Family and dispensing business, available for purchase owing to special, but genuine, circumstances; present returns approximately £1,100 per annum, and steadily increasing; reasonable purchase price; excellent scope, particularly under personal proprietorship.

(C18) SURREY.—Excellent profit-earning business with steadily increasing returns, can be acquired at a very reasonable figure for a quick transaction; present turnover approximately £30 per week; no opposition; full details upon application; early enquiry recommended.

### FISH BERDOE

# CHEMISTS' VALUERS AND TRANSFER AGENTS, 41 Argyle Square, KING'S CROSS, W.C.1

(One minute from St. Pancras and King's Cross Stations.)

1.—SUSSEX.—High-class Country Business; pleasantly situated; returns average £40 weekly; no N.H.I.; good house attached, with excellent garden; large well-fitted pharmacy; good stock; price

excellent garden; large well-fitted pharmacy; good stock; price £1,250.

2.—SURREY.—Light Family Retail and Dispensing, with hranch; returns over £2,000; good profits; valuable appointment; good living accommodation; long lease granted; owner retiring; price £2,000 or near offer.

3.—SOUTH COAST.—Good Middle-class Retail; steady all the year round trade; returns £1,250; good profits; modern pharmacy, with fiat over, garage, &c.; stock and fixtures worth £700; price £900 or first reasonable offer.

4.—BERKS.—Good Middle-class Cash Retail, with excellent Photographic connection; returns £1,265; net profit £350; rent £71; sublet upper part £106; large well-fitted shop; fully stocked; price £1,100 or £275 plus valuation of stock and fixtures.

5.—WESTCLIFF-ON-SEA.—Well-established Light Retail, with good Prescribing; main-road position; turnover exceeds £1,300; net profit £348; house attached; fully stocked; price valuation, plus small goodwill.

6.—NORTH MIDLANDS.—Country Drug Stores under female management; returns £731; net profit £240; rent £20; lock-up shop; stock worth £200; owner retiring; price £300.

7.—LONDON (Essex Suburb).—Good Middle-class, with N.H.I.; turnover over £2,900; net profit £855; audited books; large shop, with good house, garage, etc.; splendid position; heavily stocked; price £2,250 or close offer.

8.—LONDON, S.W.—Old-established Good-class Busines, in main-road position; teurus under manager exceed £2,000; scope for

price £2,250 or close offer.

8.—LONDON, S.W.—Old-established Good-class Business, in mainroad position; returns under manager exceed £2,000; scope for
increase; house attached; stock worth £700 to £800; price
£1,400; recommended.

9.—LONDON, S.E. (Few miles out).—Light Cash Retail, with
Toilets and Photographic; returns last year £1,530; modern
fitted shop, good window; stock worth about £450; price for
quick sale £750, or £100 and valuation.

10.—LONDON, S.W.—Light Cash Retail; in busy main road;
returns last year £1,160; net profit £300; net rent £12; long
lease; good stock; price £700, or £100 and valuation.

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Halve the Labour of Taking Stock. Price of Complete Pad, 2/6 post free.

The Chemist & Druggist, 28 Essex St., London, W.C.2

# BUSINESSES FOR DISPOSAL.

or 50 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

kMINGHAM.—Family Business, with good Photographic and N.H.I. connection; average returns for the past three years 00, under manager; no immediate opposition; would suit it with personal toucb; house and garage lease; price £850 ar offer; banker's reference; only bona fide buyers dealt with. 3, Office of this Paper.

RMINGHAM SUBURB.—Sound Business for Sale; doing £1,600 per annum; main busy road; nicely fitted and well stocked; retiring owing to ill health; easily increased; Kodak and; small house and garden attached; low rent; price for quick £900 or valuation terms; very profitable; open to all investing; accountant's figures. 57/26, Office of this Paper.

RMARTHENSHIRE, TUMBLE, LLANELLY.—For Sale, wellfitted Pharmacy and house in Colliery Village; Optics, good I. Dispensing, Wine Licence, &c. Apply Evans, Chemist, banford.

SEX SUBURB.—Pharmacy in populous district; good living accommodation; turnover £1,350 for 1933; very good L; very good Photographic; Rexall and Kodak Agencies; price 3 all at, or £300 stock at value; property may be leased or hased; audited books. Fuller particulars, 56/5, Office of this r.

NDON, E.2.—Wholesale Chemists small limited company, own specialities, at present doing only a casb business; net profits oximately £10 weekly; accountant's figures available; great of for anyone with capital to expand; goodwill, fixtures, stock roximately £200), £500. 52/1, Office of this Paper.

NDON, N.W.5.—Old-established Pharmacy, now run as a Drug Store, with Photographic; electric light; lease; living accomtion, could be sublet; splendid opportunity for young Qualified; of for quick sale. Call 94 Torriano Avenue, Kentish Town.

NDON SUBURB.—Good Middle-class Family and Dispensing Business, with Photo, for immediate disposal; returns (which consistently rising £1,192 last year; lease 16 years at £78 annum; accountants' figures available; lock-up shop, with room; business can easily be run by energetic working pharstr. plus an apprentice; price £850. 242/698, Office of this tr.

AR SOUTHERN SEASIDE RESORT.—Chemist's Business for Sale; well fitted and equipped shop, with flat over; takings I under management, but good scope for increase under persupervision; price for quick sale £350, or near offer; conably less than value of stock and fixtures; genuine applicants write for further particulars. 57/33, Office of this Paper.

RTH WALES.—Well fitted Lock-up Pharmacy in good-class residential district; established 3 years and showing increasing us under management; sales last year £1,100, net profit 5; audited accounts; excellent prospects; no Welsh spoken; £60, rates under £4; long lease available, or would sell free; clean and up-to-date stock, £346 (April, 1934); fittings 8; goodwill by arrangement; genuine in every respect, and st investigation invited; good reason for disposal. 57/24, 6 of this Paper.

TER S.E. LONDON.—Opportunity for Young Chemist, nice roomy shop and premises; no N.H.I., little Photo, opportunity oth; main road, where thousands pass; present turnover £800, £1,350; pleasant suburban neighbourhood; rent £65, rates 10s.; price fittings £450, stock at valuation. P.C.B. 121/2, e of this Paper.

UTH COAST.—Good-class Dispensing Business in splendid position, rapidly improving; approximately 4,000 private and O N.H.I. scripts annually; good opportunity to add High-class 5ts; Kodak Agency; turnover £2,100.£2,200; lock-up doubleted shop; rent and rates £175; price £1,900. 54/1, Office his Paper.

IGAN.—Old-established Lock-up Pharmacy; well situated in main thoroughfare near principal bus control; N.H.I. Dising, Optical and Photographic, with full Wine Licence; present retorship 37 years; good stock, fixtures and storage; genuine ons for disposal. For further particulars apply James White, tioneer and Valuer, 2 Park Road, Pemberton, Wigan.

75 -KENT COAST; established 6 years; lock-up shop; turnover £900; very low rent; Kodak dealer; grow-neighbourhood; selling owing to lack of capital; takings consably increased with extra stock. 242/706, Office of this Paper.

OVERTISER, who is compelled to move for health reasons, has opportunity of purchasing another business, and offers his business in good-class suburb of Manchester for £900 (no lwill asked); returns last 3 years average over £1,800 per lm; genuine offer; particulars at interview. 57/3, Office of this er.

DRUG STORE, formerly old-established Chemist; nice shop; house, side door, long garden, garage, back gates; lease £52; district full of N.H.I., turned away daily; small takings, rather neglected; open about 10, closed most of afternoon; previous owner retired on business; will accept £600. 87 Upper Brockley Road, S.E.4.

DRUG STORES.—S.E. main road; with or without accommodation; lease 12 years (option); rent and rates £91 per annum; trade £16-£18 weekly; established 40 years; big demand N.H.I.; no near opposition; good Photographic connection; well stocked; all at £275; no offers. 57/18, Office of this Paper.

FOR SALE (North Cornwall).—Freehold and Goodwill of Corner Chemist Shop in small growing seaside town, with excellent living accommodation over; total frontage on two streets about 55 ft., and back entrance from another street; £1,200. Apply Button & Mutton, St. Tudy, Cornwall.

GOOD-CLASS Pharmacy for disposal, N.W. London; established 4 years; average turnover over £2,000 p.a.; large double-fronted shop, main road, well stocked and fitted; stock approx. £500, fatures approx. £350; rent £200 p.a.; long lease; genuine offers invited. 55/5, Office of this Paper.

(100D Medium-class Retail Business on Sussex Coast, with Pregraphics and Optical connection; Kodak, Rexall Agency; Wine licence; situated in main road to the sea; established over 100 years; property can be bougbt if required; genuine reasons for disposal. 55/7, Office of this Paper.

COOD Opportunity for Young Qualified Man; small unopposed Business, 17 miles from London; N.H.I: Dispensing; Ensign Agency; could expand; now under female management; lock-up shop; good storeroom; £180, but open to offer. 57/38, Office of this Paper.

HERBAL Drug Store, London, E., fitted first-class style; main road, market position; takings £11 to £14 per weck under management, could be doubled; living accommodation; lease 3 years; price £350 all at. 55/14, Office of this Paper.

NEW Business, 6 miles from Manchester; next door to 3 Doctors on main street; only open 7 months; doing 300 scripts per mouth and increasing; unique position and a rare opportunity for an energetic young man with ability; stock and fittings at cost; no goodwill. 56/15, Office of this Paper.

To LET.—Drug Stores, Alfreton District, Derbyshire; good living for a Qualified man; no opposition; Wines, Tobacco; valuation of stock and fixtures only; good living accommodation; garden, orchard; immediate possession. Full particulars apply 54/5, Office of this Paper.

# BUSINESSES WANTED.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A PPLY to Orridge & Co. if you are prepared to sell your business. An established limited company with large capital is prepared to purchase for cash forthwith 20-30 sound Retail Businesses returning upwards of £2,000 per annum; London or South preferred; audited accounts essential; good prices will be paid. 56 Ludgate Hill, E.C.4. Telephone: City 2283.

REQUIRED Immediately, on behalf of established Limited Company, thirty sound businesses, preferably situated in the Midlands or South, showing returns of £2,000 per annum and upwards; accountants' figures required, and suitable propositions can be purchased immediately, upon a strictly cash basis. Chemists contemplating disposal are invited to write under guaranteed assurance of confidence, to Ernest J. George & Co., 329 High Holborn, London, W.C.1. Telephone: Holborn 1167.

# PREMISES TO LET.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

KENT (25 minutes Charing Cross).—Densely populated London suburb; fine shop, with 6-roomed maisonette over; £210 per annum; opposite station; no chemist established. Stephens, Grand Buildings, Trafalgar Square, W.C.2. Whitehall 9224.

ONDON SUBURB, 17 mins. City.—New middle-class district of Chadwell Heatb; bold and commanding shop premises in new parade to be let (no premium); rent £100 p.a.; one shop is eminently suitable for a Chemist and trade in parade will be restricted to one only; good flat over included in rent; new shopfront will be fitted to requirements. Apply Mr. Close, 15 Perry Rise, Forest Hill, S.E.23.

TO BE LET OR SOLD, near St. Albans, Small Factory, 2,700 sq. ft. suitable Laboratory, room extension, together with good residence adjoining; company's electric, gas; excellent and ample water from own deep bore well; rent £175 p.a. W. Foden, 35 Queen Victoria Street, E.C.4.

# PREMISES FOR SALE.

DOLD Corner Premises adjoining a Doctor's House; first-class opening for Chemist; busy main-road position in middle-class residential suburban area; freehold shop, with excellent living accommodation over; price only £1,475; liberal mortgage arranged if desired. Apply Leslie Raymond, F.S.I., F.A.I., 24 The Mall, Edgware.

NO CHEMIST Within 5 Miles.—Unusual opportunity for Chemist, especially one with knowledge of Veterinary work, to establish himself in large Wiltshire village; over 800 National Health contributors reported to be on resident doctor's books, increase probable shortly; previous village chemist left fortune; ideal free-hold premises (next bank) in High Street for sale cheaply; 'buses stop few yards away; vendor would introduce purchaser to residents, who are pleasant and sociable; extensive premises are converted, reconditioned centuries old inn with modern drainage, bathroom, stables, garage, garden, &c.; sound investment; premises worth treble price asked, £950. Particulars: E. J. Farrant, 11 Danehurst Street, London, S.W.6.

WONDERFUL Opportunity for Chemist, Butcher, Grocer, Baker, Draper, &c.; unprecedented development taking place; finest cash trading position; shops with excellent living accommodation; price £1,500 freehold each (250 down, balance as rent); shopfronts installed. For particulars write P. Chase Gardener & Co., 295 High Street, Hounslow, Middlesex.

# AGENCIES.

POUMANIA.—Commission Merchant very well known in the whole country, with staff of Representatives in the new districts and in the greater towns of the country, is looking for Agencies of important English firms. Address your offers to Joseph Fonstein and Brothers, Bucarest I, Cal. Mosilor 25, Roumania.

A GENT Required, Home Counties, to carry Chemists' Sundries, Bottles, Printing, &c., calling on Chemists and Hairdressers, by old-established firm; part expenses and liberal commission. 242/705, Office of this Paper.

# PARTNERSHIPS.

PARTNER (either sleeping or active), to finance important agency in India; capital required £5,000, with guaranteed interest of  $7\frac{1}{2}$  per cent.; if active, salary of Rs. 750 per month and  $2\frac{1}{2}$  per cent. of profits. Apply 242/688, Office of this Paper.

# APPOINTMENTS.

THE BUCHANAN HOSPITAL, ST. LEONARDS-ON-SEA.

103 Beds.

PHARMACIST REQUIRED.

A PPLICATIONS, stating age, experience, salary required (F.S. Scheme in force), with copies of three recent testimonials, should reach the undersigned by June 6, 1934.

S. C. W. DISNEY, Secretary.

## SITUATIONS OPEN.

### RETAIL (HOME).

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

 $K^{\rm ENT.-June}$  23 or earlier, Qualified Superintendent; good Prescriber and Window-dresser; small business, easily worked; wages £3 per week and  $2\frac{1}{2}$  per cent. commission on takings; state full particulars; applications not answered in 10 days respectfully declined. 55/3, Office of this Paper.

K INGSTON, SURREY.—Qualified Assistant (male) required; energetic and capable; send all usual particulars, including photo, in first letter. 50/13, Office of this Paper.

L ANCASHIRE.—Two Qualified Men for permanency and two Qualified Men for locum work. Apply with all details to 242/700, Office of this Paper.

L ANCASHIRE.—Wanted, Qualified Man for small branch moderate salary; mixed Retail with N.H.I.; full details firs letter, giving experience, salary required, when at liberty, references, &c. Manager, 31 Fernhurst Street, Blackburn.

L ONDON, E.—Qualified Manager (Lady or Gentleman) for smal Business required immediately; must be used to working class district. Please state full particulars and salary to Chemist Bedford Head Hotel, Tottenham Court Road, London, W.1.

L ONDON, E. (near City).—Qualified Assistant; please give ful particulars of experience, uames of references, when dis engaged, age and salary required. Apply (letter only) Pharmacist 115A Stoke Newington Road, London, N.16.

L ONDON, E.10.—Required, at once, Qualified Lady; salary 70s Write, stating age, experience, enclosing photo (returned i stamped addressed envelope enclosed), 56/27, Office of this Paper

L ONDON, S.E.—Qualified Junior Assistant required, lady of gentleman; N.H.I. Dispensing and Counter; full particular and salary required. Apply Briggs Cash Chemist, 126 Hoe Street Walthamstow.

ONDON, S.E.—Required immediately, Qualified Assistant, dutie chiefly N.H.I. Dispensing; part time; elderly gentleman preferred. Reply, giving full particulars of experience, age and salar expected, 56/38, Office of this Paper.

I ONDON, S.E.—Wauted, Unqualified Junior Assistant for about 4 months, Dispensing and Counter. Apply, stating full particulars, experience, age, salary required and when disengaged, to 56/32, Office of this Paper.

L ONDON, S.W.—Qualified Assistant, reliable Dispenser and good Counterman (age 23-25). Apply, stating full particulars of experience and salary required, to 56/22, Office of this Paper.

L ONDON, S.W.—Qualified Assistant with Optical qualification reg. J.C.Q.O., wanted shortly by Chemist opening an Optica Department; salary £4 per week with 10 per cent. commission on optics; agreement. Send full particulars to 52/10, Office of this Paper.

L ONDON, N.W.10.—Lady Assistant wanted, Unqualified, with good general experience in Dispensing, Counter work and Window-dressing; please give full particulars of experience, with age and salary asked. Davies, 59 Dudden Hill Lane, Willesden.

L ONDON, W.-Wanted, a Young well-educated Youth of good address as Improver in high-class Dispensing business; 3 assistants kept. 242/704, Office of this Paper.

L ONDON, W.1.—Qualified Assistant (Male) wanted for Dispensing Business; state full particulars of age, experience and when disengaged. 242/699, Office of this Paper.

MANCHESTER.—Branch Manager, fully experienced in all its branches, required for working-class district; must be accurate and quick Dispenser; salary £3 10s. and commission. State full particulars to S. M., c/o 55/1, Office of this Paper.

MANCHESTER.—Wanted, capable and energetic Qualified for N.H.I. and Cash Retail; permanency for good man. State full particulars, salary, experience, age, with references and photo if available to 57/31, Office of this Paper.

NEWQUAY.—Qualified Assistant required (Male) for the season, from early June to October; with knowledge of Photographics, not D. & P.; send particulars references, salary required and snap. Raymond Smith, Chemist, Newquay.

NOTTINGHAM.—Young Qualified Assistant required for Cash Retail; largely Photographic. B. Courtenay, Ltd., 12 Southwell Road.

SHEFFIELD.—Branch Manager required almost immediately; young and energetic; used to N.H.I.; commence £4 4s. State age, height, &c., to 57/10, Office of this Paper.

CHEFFIELD DISTRICT.—Qualified Assistant (either sex) required.

State age, salary and usual particulars, R. H. Fairburn, Ltd.,
Chemists, Kiveton Park, Sheffield.

WEMBLEY.—Young Junior Assistant, Unqualified, Lady or Gentleman, for Dispensing and Counter; moderate salary. Also Qualified part time, each Wednesday 6 till 7.30 and alternate Sunday 11 till 12.30. Write, stating full particulars and salary, X., 58/4, Office of this Paper.

A. QUALIFIED Young Man wanted for branch, 18 miles from married; flat over shop available. Fullest particulars of salary required, references, &c., to 55/29, Office of this Paper.

### PHOTOGRAPHS, TESTIMONIALS, &c.

When answering advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTO-GRAPHS. As can be readily understood, when an advertiser receives from 100 to 150 replies the task of returning photographs, testimonials, &c., is one of some difficulty.

N immediate Vacaucy occurs in Wholesale and Retail Chemists Business, large town, Devonshire, for fully Qualified and able Manager, with wholesale buying experience; good salary red; state age and full experience. Apply 55/15, Office of Paper.

SSISTANT, Qualified (male), 23-25, required at once for branch; general experience; please state full particulars re salary, ; letters unanswered in 5 days respectfully declined. John mist, 118 Cowley Road, Uxbridge, Middlesex.

SSISTANT (Unqualified) wanted immediately, age 20-24. Write, giving full particulars, or call Sunday morning, 59 Iside, Stonebridge Park, N.W.10.

EMONSTRATORS (Cosmetics) for Stores; previous experience essential; must be capable and keen business getters; salary commission. Write, stating full particulars and previous perience, Box T.C., c/o Knights, 55 Chancery Lane, W.C.2.

IDERLY Qualified Chemist required; light duties, easy hours; trustworthy. Call or write 36 Lower Kennington Lane, S.E.1.

ENTLEMAN required as Dispenser in Private Surgery in London; Juuior entertained. Please write particulars of experience, e and salary to Dr. Thornton, 573 Romford Road, Forest Gate.

ODDERS, Bristol, require capable Qualified Manager, also capable Unqualified Assistant for relief duties during holists; applications, giving full details, previous experience, age, geht, salary required, references. Address Managing Director, address, Ltd., 5 Nelson Street, Bristol.

MMEDIATE Vacancy for Chemist and Qualified Optician in N.W. London; position offers good prospects for a keen and lustrious worker; state age and salary; also full particulars of perience and when able to commence. 57/11, Office of this per.

MMEDIATELY.—Qualified Manager for branch shop. Full particulars of experience, salary required and date available to W. Podmore, 31 Princes Avenue, Hull.

UNIOR Assistant wanted at once; must have good all-round experience; good Window-dresser and Counter hand; please of age, height, salary required and when free. H. F. Ferriss, 9 High Road, Lee Green, S.E.12.

UNIOR Improver (Unqualified) required for business in Leyton; busy N.H.I. and usual Counter work. Apply, if in person, to 1 o'clock, 230 High Road, Leyton, or Saturday (same time) 90 Alderman's Hill, Palmer's Green, or write (no stamps or otographs).

ADY Assistant, Young, Unqualified; Counter, Toilet, &c. Patterson, 5 The Arcade, Claygate.

ADY, Qualified Chemist, to manage branch Liverpool; age over 1 25; must be capable of taking charge; no Sunday duty; full reclars, salary required, &c.; applications not answered in days respectfully declined. Write "F.," c/o Ayrton Saunders, anover Street, Liverpool.

ADY, Qualified, M.P.S., wanted for about 2 months from 1 June 15; light Retail and N.H.I. Apply, stating particulars dd salary required, with photo if possible, to 55/21, Office of is Paper.

OCUM (about 25), Qualified, for one week from June 11 to 1 June 16 (inclusive). Apply Green, Chemist, 62A Plumstead mmon Road, Plumstead, S.E.18. 'Phone No.: Woolwich 1303 xtension).

OCUM, from June 20, for 10 days; Lady or Gentleman. Partid culars to L. Baker, 2 Scholes Lane, Prestwich, Manchester. elephone: Prestwich 2669.

OCUM, M.P.S., required for 2 weeks August 13 to 25; please state previous experience, age, and terms, which must be oderate. Millhouse & Roberts, 20 New Road, Gravesend.

OCUM, M.P.S., required for 2 weeks August 6 to 18 inclusive. Send full particulars to James H. Wilson, Ltd., he Broadway, Crouch End, N.S.

ANAGER for small Branch; smart Counterman and Windowdresser; trustworthy; good prospects for keen man; call, hone (Riverside 0505) or write; suitable applicant answered in days. F. Venables, Qualified Chemist, 211 King Street, ammersmith.

ESSRS. HOLMAN, HAM & CO., LTD., have a Vacancy for Qualified Chemist for additional Relief Work for 3 months. pply, with full details in first letter (applications not replied to in ne week declined), to Arnold, 1 Old Tiverton Road, Exeter.

M.P.S. LADY or Gentleman, required; used to busy N.H.I. rospects; one for London, N., and one for London, S.E.; salary bout £4. Fullest particulars to 56/39, Office of this Paper.

WALIFIED Assistant; London, Northern district; capable of taking charge; knowledge Photography; age, salary required. 7/17, Office of this Paper.

VALIFIED Assistant required to manage branch, June 18 to September 22. Full particulars to F. B. Cordy, Chemist, elixstowe.

QUALIFIED Assistant required (young); experience not essential; might mean a permanent position. Apply, stating full particulars and salary required, 56/7, Office of this Paper.

QUALIFIED Assistant wanted for brisk country business; agricultural experience; abstainer. G. M. Perkins, Chemist, Knighton, Radnorshire.

QUALIFIED Assistant wanted for Maidenhead; knowledge of Photography essential. Apply by letter, giving full particulars, stating salary and when disengaged, to "B," 23 College Avenue, Maidenhead.

QUALIFIED Assistants required immediately for the West End; preference given to those with knowledge of languages and foreign pharmacy; good progressive positions to the right men. 242/701, Office of this Paper.

QUALIFIED Chemist required immediately; personal application only. I. J. Kudish, 114 Commercial Road, E.1.

QUALIFIED, to take charge of branch shop, Lady or Gentleman. Full particulars of experience, age, salary and photo if possible, to Lewis Smith & Son, Chemists, Hereford.

QUALIFIED Lady or Gentleman Assistant required for S.E. district; permanency; full particulars first letter. 56/35, Office of this Paper.

QUALIFIED Lady required; must be accustomed to N.H.I. Dispensing, Counter and knowledge of Window-dressing; comfortable berth and permanency for right person. Apply personally E. A. Alleston, Ltd., 191 liford Lane, liford.

UALIFIED Lady wanted; used to N.H.I. and brisk Counter work; state salary required, age and when free and references in first letter. 242/702, Office of this Paper.

QUALIFIED Male Assistant required for working-class business; elderly man considered; N. Staffs. district; permanency for suitable applicant. Apply, stating age, salary, experience, &c., to 56/19, Office of this Paper.

QUALIFIED Manager required, Male; smart appearance; good Salesman and Dispenser; for old-established business; wanted to start at once for permanency; state salary. W. E. Knowles, The Pharmacy, Market Place, Birstall, near Leeds.

QUALIFIED Manager to take sole charge of branch shop; permanency for the right man. Write, stating full particulars and wages required, also the amount could be invested at 7 per cent. interest, secured, as security, which will also carry 25 per cent. of the profits, Chemists, 569 Garratt Lane, Earlsfield, S.W.

QUALIFIED Manager for June 11; must be a worker and capable of building up neglected branch near Slough; living accommodation for single man is available over shop if desired; a progressive post is offered. 56/28, Office of this Paper.

QUALIFIED Manager wanted for branch; state age, height, experience, salary required, references, and when disengaged; photo if possible (returnable). Also Locums required for July 1 to 28 and from August 12 to September 22; give full particulars, stating what period free and terms. 54/3, Office of this Paper.

QUALIFIED Manager wanted immediately for single-handed business; young (under 30); abstainer; permanency. Davies, 5 Amwell Street, Clerkenwell, E.C.1. Phone: Terminus 3439.

QUALIFIED Young Man for small Branch; clean and obliging; please give all particulars in first letter; photo if possible; salary required, &c. Flemons & Marchant, Chemists, Dunstable,

REQUIRED at Once, Junior Assistant (Improver), Gent. Full particulars of age, salary required and references to W. Hervey Banks, 170 Wellington Road South, Stockport.

REQUIRED soon, Qualified Assistant (approx. 28-38); well trained, with good all-round experience; for season (seaside); Photographic; knowledge of Optics preferred; state experience, age, height, salary required, with photo if possible. 57/30, Office of this Paper.

SUPERINTENDENT (25-30) required for recently formed small limited company; Lady M.P.S. preferred, but not essential; moderate salary. Full particulars in first letter, with photo if possible, to 57/41, Office of this Paper.

TWO Qualified Assistants required for the season; good know-ledge of photographic trade, quick at counter and Window-dressing experience; only applicants who are not afraid of work need apply; state age, salary required, photograph, and copies of references to G. H. Hannam, Chemist, Skegness.

UNQUALIFIED Assistant, principally for D. & P. Department. Also Unqualified Lady Assistant for season; state experience, age, height, salary required, and enclose photograph; seaside, Cornwall. 242/689, Office of this Paper.

UNQUALIFIED Junior required as Relief Assistant for eight weeks from June 25. Edwards, Pharmacist, Midsomer Norton, near Bath.

WANTED.—A Qualified Chemist; good Dispenser, excellent Counterman and expert Window-dresser, with up-to-date ideas; one not afraid of work. Write, stating age, salary, experience, when free, to Chemist, 77 High Street, London, N.W.1.

WANTED.—A Young Qualified Manager for neglected business; must be energetic, capable, good Window-dresser, &c. Apply 56/48, Office of this Paper.

WANTED Immediately, Qualified Male Assistant to take charge of small branch shop; permanency; must be capable and experienced Dispenser with pleasing manners. State salary required, outdoors, references, age, height, photo and particulars to Burnett, 31 Collingwood Road, Redland, Bristol, 6.

WANTED, middle of June, Qualified Assistant, about 30, single preferred, for branch shop; short hours; no Sunday duty. Apply letter, stating salary, age, experience and references, to Chemist, "Highfield," Great Wyrley, nr. Walsall, Staffs.

WANTED, M.P.S. as Superintendent to small private company in country village; terms must be moderate; state full particulars; suit elderly man or junior male or female; light duty. 242/695, Office of this Paper.

WANTED.—Qualified Assistant, male, for mixed country business; Welsh-speaking; full particulars of experience in first letter. Evans, Chemist, Ammanford.

WANTED.—Qualified Lady or Gentleman as Branch Manager for small shop at seaside, open Sundays till September; £3 per week and commissiou on turnover; permanency. 56/50, Office of this Paper.

WANTED.—Well-educated, gentlemanly Youth as Apprentice or Improver in high-class Chemist-Optician's business. Cheetham, 31 Tothill Street, S.W.1.

WANTED.—Young Lady to assist in Dispensing and Toilet Department, Hall qualification; salary and commission in toilet section. Apply, stating age, height, experience, salary required, enclosing photograph, to 51/5, Office of this Paper.

YOUNG Junior Assistant required, Qualified, for Holiday Relief Work; to commence June 11; about 2 to 3 months; salary offered £3 per week. Apply, giving usual particulars, to Matthews, Ltd., 90 Alderman's Hill, Palmer's Green, N.13.

YOUNG Qualified Assistant (Lady or Gentleman) required for small business South Coast, June 25; experience not essential; recently qualified (M.P.S.) would suit; salary £3. Write, giving full particulars, 56/54, Office of this Paper.

### WHOLESALE.

A CAPABLE Man or Woman with experience packing chemicals or similar work, or with Dispensing experience, required to supervise and assist in Packing Department, N.W. London; state experience, age and wages required. 52/4, Office of this Paper.

A FIRST-CLASS Representative is required for Yorks, Lancs and Northern Counties; he must be well known to the trade, possess undeniable references, and live on the territory; remuneration, salary, commission, hotel expenses, and CAR ALLOWANCE. Scott & Bowne, Ltd. (Sales Dept.), 10 Stonecutter Street, London, E.C.4.

A FINE proposition is open to part-time Travellers that will quickly and steadily add to their incomes; a sound selling line supported by advertising, showing good profit to the trade and good commission to representatives; districts available: Eastern Counties, Midlands, South-Western Counties, Wales. Those with real live connection among Chemists write fully to Managing Director, Extermino Chemical Co., Ltd., Wotton-under-Edge, Glos.

A DDITIONAL line offered Travellers calling Chemists London and Home Counties not at present interested Toilet Soaps; applicants should state present interests, territory, period on territory, and confirm willingness present employers to allow extra line. 54/2, Office of this Paper.

PIRST-CLASS Representatives required in several districts for distribution of well-known Hygienic Rubber Goods; only gentlemen with established connection amongst Chemists and Druggists need apply; good commission basis only; could be handled with other non-competitive lines. Apply 242/692, Office of this Paper.

MEDICAL Propagandists required by well-known Manufacturing Chemists to call on Doctors and Hospitals in London and Provinces; Qualified, with knowledge of therapeutics and experience in obtaining interviews desirable. Write in confidence, stating experience, salary required and when available, to 242/696, Office of this Paper.

PHARMACISTS.—A firm of Manufacturing Chemists has vacancies for 3 Pharmacists, one as representative in the Orient and two on the indoor staff in London. Men of sound pharmaceutical education and experience, about 26 years of age, should send full particulars covering qualifications, experience, salary required, &c., to 242/697, Office of this Paper.

QUALIFIED Chemist, young and keen, required as Representative for advertised product; experience on road an advantage, but not essential; must be able to drive; salary and all expenses paid. Write, stating age, full personal details and business experience, to Box 891, Dorland Advertising, Ltd., 14 Regent Street,

REPRESENTATIVE Required immediately by firm of Soap and Perfumery Manufacturers to call on Chemists in London and South-Eastern Counties; no application will receive consideration unless fullest particulars are given as to age, experience, &c., which will be treated in strictest confidence; salary, expenses and commission basis. 242/691, Office of this Paper.

REPRESENTATIVE Required to call on Retail Chemists in the South of England on behalf of well-known Manchester Chemists and Druggists; must have had previous experience, and some experience of Co-operative Drug Departments desirable; Qualified Chemist preferred, but not essential. Write, giving detailed particulars of past experience, age and salary required, 242/703, Office of this Paper.

REPRESENTATIVE Wanted to carry an additional line of well-known goods on a com. basis, North and East London; also a Representative for Birmingham. Reply in confidence, stating present firm and lines carried, to 55/32, Office of this Paper.

REPRESENTATIVES, all parts of the country, required to sell English-made Surgical Rubber Goods on commission basis; wholesale trade only. Write 242/694, Office of this Paper.

PEPRESENTATIVES (few) Wanted by North of England (West Riding) firm of Manufacturing Chemists marketing high-class products of proved merit; salary £3 10s., good commission and expenses; successful men should earn £500 per annum; splendid opportunity to the right type of salesman; state fully past experience, age, &c.; fidelity bond required. 57/9, Office of this Paper.

PEPRESENTATIVES required, live connection Chemists, Haird dressers and Stores, to take over well-displayed and advertised proprietary on commission basis; areas vacant: Yorkshire, Lancashire, Cheshire, South Coast, Cornwall; first-class references required; own car preferred. Write in confidence, stating territory covered, P.C.B. 121/24, Office of this Paper.

CUPER Sales Manager with Capital.—Manufacturing Chemist, marketing an entirely new Proprietary, offers unique opportunity to first-class Salesman and Organiser; sales already prove unlimited possibilities; fullest particulars of past experience, references, &c. 57/55, Office of this Paper.

WANTED by old-established firm of Manufacturing Chemists, first-class Travellers to carry Tablets, Pills, Drugs and Pharmaceutical Preparations in the following territories: (1) Devon, Somerset, Dorset and Wilts; (2) Home Counties (excluding London) and South Coast. 242/690, Office of this Paper.

YOUNG Qualified Chemist and Pharmacist required for Chemical Product Company. Write, with full particulars, salaty required, &c., to 53/7, Office of this Paper.

### COLONIAL, INDIAN AND FOREIGN.

A N Important German firm of Manufacturing Chemists require a Young Pharmacist for their offices in Germany; unimpeachable references necessary; knowledge of German language not essential. State fullest particulars in strict confidence to 242/693, Office of this Paper.

# SITUATIONS WANTED.

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A.A. -LOCUM or permanent; experienced; prize Photographer; ull; Unqualified; highest references; free; reliable; quick worker. Mac, Wotton-under-Edge.

A.A. -M.P.S. (24), just Qualified, seeks experience Locum or arely; £3 15s. Powers, Fircroft Hotel, Bournemouth. 'Phone: Boscombe 185.

A —QUALIFIED Manager, disengaged; 20 years' experience, requires position as Branch Manager, London or Suburbs. Davies, 109 Alexandra Drive, Surbiton, Surrey.

A QUALIFIED Chemist desires position as Manager; keen, energetic worker; thoroughly experienced; knowledge of Optics; age 42; married; London or near preferred. "Willing," 69 Ormeley Road, S.W.12.

AN Experienced Assistant; capable all branches good-class Pharmacy; disengaged; permanancy; unregistered; any distance. Ciba, 57 West Street, St. Philips, Bristol.

AN experienced Qualified Chemist; thoroughly reliable; 15 years own business; branch preferred. Keats, White House, Measham, Burton-on-Trent.

AS Locum, Manager or Assistant, "not registered"; over 30 years' London experience; whole or part time; Counter, Book-keeper, Dispensing and worker; London only. "Prescriber," 130 Scott-Ellis Gardens, N.W.8.

A SSISTANT, Unqualified; experienced Counter, Dispensing; part time, locum. Write C. G., 2A Yalding Road, Bermondsey, S.E.16.

SSISTANT, Unqualified; wide experience Dispensing, Counter, Photographic, prize Window-dresser; thoroughly capable; good dress; wages moderate. "Altoncourt," 29 Victoria Avenue, Illngdon, Middlesex.

SSISTANT (25 years); good all-round experience Dispensing, Counter; single; active; unregistered. Aspirin, 61 Fartown een Road, Fartown, Huddersfield.

SSISTANT (25), Part I; expert Dispenser; used to high-class Family trade. "A. C. E.," 41 Hillcross Avenue, Mitcham, rrey.

SSISTANT (26), Unqualified, desires Relief or Locum anywhere; has taken full control, "IXL," 45 Clowes Street, Manlester, 12.

ISENGAGED Locum; all-round experience; highest references; reasonable salary; few open dates. Chemicus, 56 Rudloe oad, Clapham Park, S.W.12.

DISPENSER, Gentleman, Doctor or N.H.I.; long experience Panel, private; capable; sober; assist any capacity or hours. Cloudesley Road, N.1.

UNIOR Lady Dispenser (Hall); hospital experience; typing, bookkeeping; full time, temporary or permanent. "T.," 73 orthall Road, Barnehurst, Bexleyheath.

ADY Dispenser (Hall) desires post; good all-round Pharmacy experience; West London or near preferred. Denny, 43 eathdale Avenue, Hounslow.

ADY Dispenser, Homoeophy, qualified Shorthand Typist, requires post. Ollivier, Colnbrook, Bucks.

ADY, tall, 12 years' experience, desires appointment, seasonal or otherwise, Dispensing and all branches. 12 Paddock Road, ricklewood.

OCUM or permanency, Qualified; disengaged. "Pharmacist," 77 Carlton Vale, Maida Vale, N.W.6. 'Phone: Maida ale 6897.

OCUM or permanency (42); Unqualified; tall, active, reliable; undeniable references; travel immediately; abstainer; oderate terms; disengaged. Mack, 18 Aycliffe Road, W.12.

OCUM, part-time; large, varied experience; trustworthy, energentic; elderly; Unqualified; offers invited. "Chemicus," 5 Clarence Street, Broughton, Salford.

OCUM, Qualified; all-round experience; good Prescriber; elderly, active; disengaged; terms moderate. Pharmacy, 76 Lincoln oad East, Peterborough.

OCUM, Qualified, available Monday, June 25, to Friday, June 29, all or part; thoroughly experienced, capable and trustworthy; ondon or fairly near. 57/4, Office of this Paper.

OCUM, Qualified; middle-age; well recommended; moderate terms; active, reliable; anywhere. B. B., 57 The Causeway, otters Bar, Middlesex.

OCUM, Unqualified; all-round experience; accurate Dispenser. "Statim," 72 Tremadoc Road, Clapham, S.W.4.

OCUM, Unqualified (57), active; accurate Dispenser; moderate salary. Address, future reference, Fletcher, 91 Duncombe coad, Holloway, N.19.

OCUM.—W. Bolwell, Cornfield Cottage, Ripley, Surrey, has five fortnights free for Holiday Relief; Registered R.P.U.

OCUM, Unqualified (38), competent and well recommended, has vacant dates from June 23. Hays, 23 Agamemnon Road, V. Hampstead, N.W.6.

ONDON.—Qualified Manager desires permanency; disengaged June 9; trustworthy, reliable; excellent references; 50; ft. 8 in.; active, industrious, progressive, modern displays; xperienced every class business, Panel and high-class Dispensing, botographic; willing open branch, work-up neglected business. Phone: Leytonstone 3450. Huggins, 221 Great Cambridge Road, ottenham, N.17.

MANAGER (Qualified), 25, tall, seeks position of trust in similar capacity or as Senior (London); sound experience in all ranches of modern Chemists' business; well recommended; free ne month. 55/17, Office of this Paper.

M.P.S. (34), married, seeks Manager's position in London; experienced, reliable; excellent references; free after ortnight's notice; £4 weekly. 57/19, Office of this Paper.

VORTH WALES preferred by capable Lady desiring post Dispenser or Housekeeper-Dispenser; Hall certificate; excellent effectes. 57/40, Office of this Paper.

UALIFIED, Locum, middle-age, energetic, sound and reliable; open dates July 16-28, July 30-August 11, also September. Howell, at Pickett, Chemist, Gloucester Parade, Slough.

UALIFIED Scot (26) seeks change, permanency; middle- and high-class experience Toilet, Photographic, Dispensing; present 5 years. Apply 57/28, Office of this Paper.

QUALIFIED (25), tall; thorough experience quick Counter, busy N.H.I.; keen Salesman; free; interview. M.P.S., 57 Pentonille Road, N.1.

QUALIFIED (27), Welsh, Manager or Senior Assistant; high-class West End, City and country experience, desires change; Wales preferred, but not essential. 58/3, Office of this Paper.

QUALIFIED; 12 years as Manager, London, Provinces and South Coast; married; exceptional Prescribing experience; Southern Counties preferred. Write Pharmacist, 130 Belgrave Road, Leicester.

UNQUALIFIED Lady (21) from old-established Pharmacy seeks post; experienced Saleswoman and Window-dresser; able to take control of Toilet and Library. Thorne, 29 Albion Street, Dunstable.

UNQUALIFIED (40); capable; used to taking charge; good Dispenser, Windows; 5 years present situation manager; living in circumstances makes change desirable. F. W. Field, 34 Castle Street, Shrewsbury.

YOUNG Man (19½) desires position for 2 years with good-class Dispensing Pharmacy; Part I; tall, smart, capable; anxious for city experience. Apply Francis, Glenhurst, Acton Hill, Wrexham.

YOUNG Unqualified Assistant with West End experience seeks post; part time would be considered; London district preferred. P.C.B. 121/23, Office of this Paper.

### WHOLESALE.

A N Accomplished Medical Interviewer and skilled Propagandist, with wide experience and a unique knowledge of Medical Men, their requirements and susceptibilities, desires re-engagement. "Zealous," 21 Gloucester Place, Brighton.

AS Representative, young Qualiefied man; Retail trained; connection Northern English Counties; salary, commission, expenses; good references. 57/20, Office of this Paper.

CHEMIST, Works Manager, seeks position of responsibility; many years' experience in all branches of Toilet, Perfumery and Pharmaceutical Products; adept Formulator and Producer of Competitive Goods. 56/17, Office of this Paper.

ENERGETIC and Ambitious Young Man (26) desires good Agencies or Representation of reputable firm; live connection Chemists, Hairdressers and Stores in Lancashire, Cheshire and North Wales; 5 years' retail experience. 57/25, Office of this Paper.

CENTLEMAN desires change; outside Sales Manager, or would consider good senior position; keen, thoroughly experienced; 12 years with first-class houses Toilets, Perfumery, Toothpastes; educated; highest credentials for integrity and sales ability. 54/10, Office of this Paper.

PERFUMES, Cosmetics, for home trade and export, Young Man with over 12 years' sound experience in manufacturing, outdoor and managerial capacities, requires situation. "Ambrette," 84 Ruabon Road, Wrexham.

PHARMACIST, Biochemist and Bacteriologist with wide experience as Analyst, Experimentalist, Research Worker, Scientific Writer and Consultant, seeks post Laboratory or Factory; highest references. Write D.Sc., c/o 57/39, Office of this Paper.

QUALIFIED Pharmacist (25), tall, desires to join Wholesale house as Laboratory Assistant or Representative; 5 years' Wholesale and Retail experience; London district preferred. "Reyas," Derby Villa, Pill, Bristol.

REPRESENTATIVE (38), five years present employers, London Drug House, interviewing doctors, &c., nine years' experience Far East, desires change. 56/46, Office of this Paper.

TRAVELLER, exceptional connection Chemists, Stores, &c., Home Counties, wishes to represent first-class house; commission and expenses basis. M., 55/34, Office of this Paper.

YOUNG MAN, Matriculated, seeks situation with Manufacturing Chemists; 7 years' Retail experience; capacity for intensive work and study. 56/2, Office of this Paper.

### COLONIAL, INDIAN AND FOREIGN.

UNQUALIFIED desires experience abroad; 6 years Retail Pharmacy; age 23; anywhere considered. Frank, 19 Stafford Road, Handsworth, Birmingham.

# FOR SALE.

(Articles to the value of £5-£50.)

A PAKO Photographic Printing Machine (Electric), pigeon-holed Cabinet, treadle operates; mechanically perfect; excellent condition; originally cost £40, accept £12; photo sent. 58/1, Office of this Paper.

CASH Register, National make; adds all cash; prints on tape. Write R. Jones, 4 Godson Street, Islington, N.

YEAST (Dried) for Sale; a limited quantity, in 20-lb. sealed tins; not bitter; specially prepared for medicinal purposes. For samples and prices apply Rayeast, Ltd., Cubley Brook, Penistone, Yorks.

12-FOOT Mahogany Glass-fronted Counter; free on rail Exmouth; price £8 8s. Braid's Pharmacy, Exmouth.

Why keep them any longer? Turn them into CASH,
I GIVE BEST PRICES for Old Films (damaged, fogged
apers. Cards (any sizes), Old Photo Goods or Cameras.
Bromlde Papers, Plates (all sizes, all makes). Send any
goods in the photo line. I buy all, good or bad. Cash per
return. A good price for all Cameras. Send them along.

S. E. HACKETT, 23 July Road, Liverpool

### OPTICAL **OUALIFICATION**

The next Examination for the FELLOWSHIP DIPLOMA
of the NATIONAL ASSOCIATION OF OPTICIANS will be held in
LONDON

on Wednesday and Thursday, August 1st and 2nd, 1934
Last date of entry, Thursday, July 5th.

Syllabus and full particulars from The Secretary, N.A.O.,
130 Princes Road, Liverpool, 8

### MISCELLANEOUS.

CHEMISTS' FITTINGS.—We hold an immense stock of Drug Fittings, Dispensing Screens, Glass-fronted Counters, Per-fumery Cases, Nests of Drawers, Wall Cases, Silent Salesmen, Upright and Flat Counter Cases, Plate Glass Counters, Cash Tills, Display Stands and Glass Shelves, &c., at competitive prices. F. MAUND & E. BERG (SHOWCASES), LTD., Shop Fitters and Shop Front Builders, 175/9 Old Street, London, E.C.1.

LIMITED COMPANIES REGISTERED.—I have now been engaged in this work over 20 years, so you may rely that my experience in Chemist and other Companies (I take all trades) is hard to beat. Most reasonable and inclusive Fee. Advice free. A. B. SLACK, 721 Princess Road, West Didsbury, Marshette. Manchester.

REGISTRATION AS A PRIVATE LIMITED COMPANY AFFORDS EFFECTIVE SAFEGUARO TO YOU & DEPENDENTS!

Write for particulars of the many advantages and our exceptionally LOW "INGLUSIVE" FEES.

SATISFACTION GUARANTEED.
THOS. WATTS & WALKER LIMITED
(Company Registration Agents)
OXFORD CHAMBERS, 9 OXFORD ST., MANCHESTER, 1
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